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BALTIMORE COLLEGE OF  
DENTAL SURGERY

# *The Journal* *of the* BALTIMORE COLLEGE OF DENTAL SURGERY

DENTAL SCHOOL  
UNIVERSITY OF MARYLAND



*January, 1942*

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Number One

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# THE JOURNAL

of the

## BALTIMORE COLLEGE OF DENTAL SURGERY

### DENTAL SCHOOL

### UNIVERSITY OF MARYLAND

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VOL. 6

No. 1

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HALF-CENTURY PRACTITIONERS  
(See page 12)

*Standing:* Rice, Hoffman, Gorgas, Deichman  
*Seated:* Boyle, Cronin, Moore

## MESSAGE TO THE ALUMNI

THE approaching year of 1942 should be an important year to every alumnus of the Baltimore College of Dental Surgery, Dental School, University of Maryland. The National Alumni Association is planning its first reunion to be held during the A. D. A. meeting which will be at Boston, Mass., in 1942.

This reunion will be in honor of one of our distinguished alumni, J. Ben Robinson, who will be inducted into the Presidency of the American Dental Association at the meeting in Boston. The success of this occasion will depend upon the earnest cooperation of each and every alumnus. Further details will be given you in later communications.

LEONARD I. DAVIS, *President*  
*National Alumni Association*  
*Baltimore College of Dental Surgery*  
*Dental School, University of Maryland*



## ORTHODONTIC AND RHINOLOGIC RELATIONSHIPS\*

PAUL S. DUBANSKY, D.D.S.

**R**ECENT tendencies in the treatment of various diseases have inclined toward correlation of knowledge in the different fields of medical science. Orthodontia has been affected in the same manner.

Orthodontia is more closely associated with the field of rhinology than is any other specialty of dentistry.

Many outstanding men in orthodontia have suggested that orthodontists should be compelled to study rhinology. They stress the fact that orthodontists, if alert, can aid the child during the growing period so that there may be a good development of not only the teeth and mouth, but also of the entire face.

Among the conditions with which the orthodontist should be acquainted is the obstruction to proper nasal breathing due to enlarged tonsils, adenoids, and intra-nasal abnormalities. He should recognize such signs as congestion, dryness of the mucous membrane, and especially congestion around the soft palate adjacent to the tonsils. Cooperation between orthodontists and rhinologists can thus contribute to improved health in children.

Mouth breathing in children is often associated with maldevelopment of the dental arches, the maxillary bones, and both the internal and the external structures of the nose.

Normal respiration is through the nose, at which time the air is warmed, moistened, and cleaned while passing through the sinuses in order to prepare it properly for admission to the delicate air cells of the lungs. Adenoids, hypertrophy of the

various parts of Waldeyer's ring of lymphoid tissue, chronic hypertrophy of nasal mucous membrane, and thickening of the nasal septum, all tend to prevent proper breathing.

The symptoms of naso-pharyngeal obstructions are variable. In children a marked case presents a very typical picture. The mouth is open, the lips are thick, the upper usually highly arched, the teeth protrude, while the chin recedes. The ala nasi are narrowed because of disuse, and the nasal orifices are merely two slits instead of oral openings. The nasolabial fold is absent, and the disuse of the muscles between the upper lip and the eyes gives the face a flat, smooth, characteristic expression. Varying amounts of discharge occur from the nose, often combined with excoriations and infections of the upper lip. At times the anterior nares are completely filled with hard, dry crusts. The children are restless in their sleep, breathe heavily and noisily. Their mouth and lips are parched and dry, and they wake up at night asking for water. Because they cannot get air through their noses while eating, they bolt their food. The voice of an adenoid child has a marked difference because it has no resonance.

A serious consequence of nasal and pharyngeal blockage is involvement of the ears. The presence of large infected adenoids and tonsils undoubtedly increases the liability to contagious diseases such as scarlet fever, measles, diphtheria, etc. Among common conditions is so-called glandular fever, which shows itself by swelling and tenderness of the lymph glands of the neck. Children with enlarged adenoids also exhibit a long train

\* An abridgement of the prize-winning thesis for June, 1941.

of so-called reflex neuroses, such as night tremors, twitchings, and spasmodic conditions of the larynx, stammering and stuttering. Children with marked nasal obstructions do not develop physically and mentally in proportion to their age.

Among the outstanding causes for mouth breathing are the following: (1) Constitutional ill health or disturbances in the endocrine pattern which expedite, retard, inhibit, or warp the growth of the face, involving structures concerned

in nasal breathing. (2) Nasal allergy, the active expression of which is a congestion and edema, the latter affecting the adenoid mass, the former affecting the turbinates, which often change in shape.

In addition to a study of the evidence discussed here, a knowledge of the mechanics of mouth breathing and of the embryological development of the face and related structures will aid the student of nasal obstructions and their treatment.



SECTION OF ORAL SURGERY CLINIC

## ENAMEL—VITAL OR NON-VITAL?

RILEY E. SPOON, JR., '43

A REVIEW of the literature pertaining to the vitality of the enamel presents two schools of thought—vitalistic and non-vitalistic. Since the theories of these schools concern the organic content of the enamel, a resumé of the investigations as to the character and amount of organic material which is present seems indicated.

Sir Charles Tomes (1895), by slowly dissolving enamel in acid and then testing for proteins, demonstrated that only a trace of organic material, or matter, is present. Sprawson and Bury (1928) determined the nitrogen content of the enamel, and from these determinations calculated the protein content to be .14 to .15 per cent. Thus the findings of Sir Charles Tomes, made several years before, were confirmed by more exact methods. Berzelius (1808), Evans (1913) and Gottlich (1926) showed an insoluble organic residue in the enamel. Their experiments demonstrated that the prism sheaths, consisting of organic matter, persist after decalcification. In 1932 Lartschneider carried out experiments as to the nature of this organic material and concluded that the organic matter in the enamel is a protein similar to chitin. More recent enamel studies and the current concept of the enamel development substantiate the claims of organic content as described by these investigators.

The non-vitalists believe that the enamel is an inert, or dead, structure. Lartschneider states that the organic material which is present in the enamel does not permit metabolism. Thus he infers that the enamel is a dead structure, since metabolism is a characteristic of

living tissue. The other non-vitalists concur with Lartschneider's belief and conclude further that the amount of organic material contained in the enamel is insufficient to permit metabolism. They base this conclusion upon the facts that after decalcification of the enamel very little organic material remains and the material which does remain is not of a type favorable to metabolic changes. The apparent absence of metabolic changes in the enamel caused Williams (1896), Pickerill (1919), Mummery (1922) and Hopewell-Smith (1931) to express the view that the enamel is a non-vital tissue.

Additional evidence to support the claims of the non-vitalists can be found in normal enamel: it is entirely devoid of organized cells, connective tissue, blood capillaries, nervous tissue and lymphatic vessels. Then, too, the enamel organ, or formative organ of the enamel, is lost upon the complete development of the enamel; therefore, no new enamel can be formed, nor can it repair itself.

Thus from the point of view of the non-vitalists, the enamel is a dense, solid organic mass of enormous strength, incapable of exhibiting any signs of vitality.

The vitalists accept the fact that the enamel does not show the usual signs of vitality, but they believe that an interpretation of vitality should include physical and chemical changes which occur in the enamel.

In a series of experiments, Fish (1932) found that the enamel of young dogs was easily stained by dye penetration; but that, as the age of the animal increased, the dye penetration was less marked. In his experiments on human teeth he found that the enamel could be stained in-



directly through the pulp in 5 per cent of the cases, but when dyes were applied to the outer surface of the enamel no penetration occurred. He concluded that some change takes place in the enamel which, as age increases, renders the enamel less permeable to dyes.

The experiments of C. F. Bodecker (1937 and 1938) support the findings of Fish. His observations on vital and pulpless teeth indicate that the pulp of the tooth seems to influence the rate of diffusion of the dental lymph which carries the dyes. He concludes that the dental pulp and dental lymph regulate the physical and chemical changes which occur in the enamel, and that the variations in the dye penetration accompanying maturation of the enamel, as observed by Fish, are a result of these physical and chemical changes.

Additional evidence which supports the vitalistic claims has been provided by the investigations of Chase (1927), Malleson (1924), Rosebury (1932), Beust (1931), Prinz (1928), Bunting and Rickert (1918), Klein and Amberson (1929) and Applebaum (1931).

It may be stated that the vitalists, by their experiments have demonstrated that physical and chemical changes occur in the enamel after the eruption of the teeth, and that these post-eruptive changes are produced by a modification of the organic material present in the enamel.

In summarizing, it can be said that much of the controversy could be clarified by a more exact definition of the term *vitality*. Churchill's concept of this problem seems to demonstrate best the need for better definitions: "Those who believe that vitality is dependent on the presence of phenomena characteristic of living cells as metabolism, respiration, growth, regeneration, reproduction, irritability, contractility and conductivity, naturally would regard enamel as non-vital. However those who would consider the physical and chemical changes in the intercellular substance as representative of vital activity in the broader sense, will regard enamel as participating in the vital processes of the body."

### APPLICATION FOR MEMBERSHIP

NATIONAL ALUMNI ASSOCIATION OF THE BALTIMORE COLLEGE OF  
DENTAL SURGERY, DENTAL SCHOOL, UNIVERSITY OF MARYLAND

Name .....

Address .....

School.....Year.....

A check for \$3.00 should accompany this application to cover dues for one year, including subscription to the *Journal*.

Tear out and mail to Dr. Howard Van Natta, Treasurer, National Alumni Association, Medical Arts Building, Baltimore, Maryland.

## THE CLARENCE J. GRIEVES LIBRARY FOUNDATION

### THE PIPERNO COLLECTION

LAST spring the Library acquired a collection of dental books, engravings and advertisements formerly in the possession of Professor Arrigo Piperno of Rome, a dentist, teacher and editor of international reputation.

This collection includes twenty-six books, dating from 1665, which are invaluable in the study of the history of the dental profession. Many of these are very rare early Italian dental works, among which is Antonio Campani's "Odontologia, ossia trattato sopra i denti" published in 1786. Of this book, the first dental work published in the Italian language, only five copies are known to be now in existence.

Over fifty rare engravings, etchings and water-colors are also in the collection. These are extremely interesting, illustrating the practice of dentistry over several centuries and the position of the dentist in contemporary society. The engravings of St. Appolonia include one probably engraved in 1600. It is interesting to note that in this the Saint is represented as a somewhat haggard "Virgin of mature age" rather than the beautiful and young virgin of the later engravings.

In the collection are a number of early prescriptions and advertisements of dentists and their remedies. One of 1780 begins with the words "There is no doubt that man's health depends upon the condition of the cavity of the mouth..."—a statement present-day dentists are reiterating.

The examination of this collection, now on display in the Library, affords an interesting and instructive journey into

the early days of dentistry and a vivid realization of the progress which the profession has made.

#### WHAT'S NEW IN THE LIBRARY

##### A SELECTION

American public health association. Standard methods committee...Diagnostic procedures and reagents. 1941.

Opening with a chapter on culture media—stains, reagents and solutions—this volume proceeds to describe the technics for the laboratory diagnosis and control of various communicable diseases.

Black, C. E. and Black, B. M. From pioneer to scientist; the life story of Greene Vardiman Black "Father of modern dentistry" and his son, Arthur Davenport Black. 1940.

Biographies of two leaders in American dentistry, whose life stories are an inseparable part of the history of the profession for eighty years (1857-1937).

Brekhus, P. J. Your teeth: their past, present, and probable future. 1941.

An interesting discussion of dental disease in its broader aspects.

Cahn, L. R. Pathology of the oral cavity. 1941.

The author emphasizes the pathology of the more commonly seen lesions of the oral cavity.

Cipes, L. R. Prescription writing and formulae for dentists. 1941.

A presentation of information necessary for the prescribing of drugs, indications for their use, and suitable prescriptions.

Ehrich, W. E. Pathology for students and practitioners of dentistry. 1941.

In this text dental pathology is presented as an integral part of general pathology. The material is arranged according to such fundamental principles as heredity, development and metabolism rather than following the structures of the mouth in an anatomical order.

Flexner, J. T. Doctors on horseback; pioneers of American medicine. 1937.

Accounts of trail-blazers of American medicine, among whom were Long and Morton, who pioneered in the death of pain through anesthesia.

Frackelton, Will. Sagebrush dentist. 1941.

Reminiscences of a dentist of the early days of Wyoming, whose patients included such characters as Calamity Jane, Buffalo Bill Cody and Poker Nell.

German, W. M. Doctors anonymous; the story of laboratory medicine. 1941.

Exciting adventures of a clinical pathologist in his laboratory, revealing the importance of these little publicized behind-the-scenes workers.

McGehee, W. H. O. and Green, M. W. A textbook of dental pharmacology, materia dentica and pharmaco-therapeutics. 2d ed. 1941.

A revision of this useful book to include many of the newer drugs of interest to the dentist, such as the sulfonamides, newly discovered barbiturates and local anesthetics.

O'Rourke, J. T. and Miner, L. M. S. Dental education in the United States. 1941.

Of vital interest to all dentists is this discussion of the aims, status and future of dental education, which includes a survey of the trend toward a closer coordination of dental and medical education and a discussion of the economic problems facing the profession.

Pennsylvania. University. Bicentennial conference. Dental caries. 1941.

Papers presented at the conference on the epidemiology and the bacteriology of dental caries and the relation between diet and caries.

Pennsylvania. University. Bicentennial conference. Development of occlusion. 1941.

Includes the following papers: The evolution of dental occlusion from fish to man, by W. K. Gregory; Ontogenetic development of occlusion, by B. H. Broadbent; and Factors influencing occlusion, by Milo Hellman.

Prinz, Hermann. Dental formulary. 6th ed. 1941.

A new revision of this well-known formulary which contains formulae and recipes of dental interest.

Thoma, K. H. Oral pathology. 1941.

An impressive volume by a recognized writer in the field. This treatise covers the histologic, roentgenologic and clinical aspects of the diseases of the teeth, jaws and mouth.

Weinberger, B. W. Pierre Fauchard, surgeon dentist. 1941.

A brief account of this great dentist and of dentistry as practiced two hundred years ago. Illustrations are taken from Fauchard's *Le Chirurgien Dentiste* published in 1728, a copy of which is in our library. This edition and the three other editions which were published of Fauchard's monumental work, together with this biography and other illustrative material, are now on exhibit in the Library.



THE OPERATIVE CLINIC



## ALUMNI NEWS

### THE ELECTION OF DR. ROBINSON

AT THE meeting of the American Dental Association held in October at Houston, Texas, Dr. J. Ben Robinson was elected to the high office of President-Elect of the Association. The Alumni and the students of the Baltimore College of Dental Surgery, the first dental school in the world, have felt for a long time that Dr. Robinson ranks among the many great leaders in dentistry that have been graduated from this School. A loyal group of fifty-four Marylanders attended the Houston convention; they brought back interesting reports of the high esteem in which their successful candidate is generally held by the leaders in the profession.

Dr. Robinson will bring to his administration the fine training and the splendid reputation which he has gained during a long period of arduous and conscientious endeavor in many fields of dental education and administration. The Alumni Association is already making plans to have a representation of several hundred graduates at the 1942 Boston meeting, when the Dean of their School will be inducted as President of the American Dental Association.

### NATIONAL ALUMNI ASSOCIATION

The annual Alumni program of Commencement activities was held on June 4, 5, and 6.

The Phi Chapter of the Omicron Kappa Upsilon Fraternity held its annual convocation and banquet at the Lord Baltimore Hotel on the evening of June 4. The honor graduates of 1941 were inducted into membership, together with several eligible alumni.

The senior prize contests were held on the morning of June 5, and were judged by the various alumni committees. In the afternoon the Annual Golf Tournament was held at the Oriole Gun Club. On the same afternoon the Ladies' Entertainment Committee arranged a bridge luncheon at Rugby Hall on the Severn River which was well attended and enjoyed by everyone present.

In the evening the class reunion dinners were held at various hotels; large numbers of alumni celebrated with their classmates.

During the following morning scientific lectures were presented and at noon the annual business meeting was held. The following officers were elected:

Leonard I. Davis, President, Medical Arts Building, Baltimore.

James A. Sinclair, First Vice-president, 201 Legal Building, Asheville, N. C.

Clarence E. Peterson, Second Vice-president, 9 Elm Street, Rockville, Conn.

Francis A. Sauer, Secretary, 4600 Park Heights Avenue, Baltimore.

Howard Van Natta, Treasurer, Medical Arts Building, Baltimore.

Arthur C. Muhlbach, Historian, 1519 East North Avenue, Baltimore.

Dorsey R. Tipton, Editor, 5508 Edmondson Avenue, Catonsville, Md.

### *Executive Committee:*

W. Buckey Clemson, Chairman, Medical Arts Building, Baltimore, 1943.

Daniel E. Shehan, Medical Arts Building, Baltimore, 1942.

J. Stephenson Hopkins, Bel Air, Maryland, 1943.

Albert C. Eskin, 1911 Eutaw Place, Baltimore, 1944.

C. Adam Bock, 806 Cathedral Street, Baltimore, 1943.

Elmer F. Corey, 1901 E. 31st Street, Baltimore, 1944.

Myron Price, 2324 Eutaw Place, Baltimore, 1945.

George J. Phillips, Professional Building, Baltimore, 1945.

The business meeting was followed by a luncheon in the University Hospital dining hall. The judges of the contests, the senior class and visiting alumni were guests of the faculty.

The luncheon was followed by the afternoon group of scientific lectures and demonstrations. In the evening the Annual Banquet and Dance was held at the Lord Baltimore Hotel. The prizes, medals and honors were awarded on this occasion. They were as follows:

University Gold Medal for Scholarship and Magna Cum Laude Certificate: George Reusch, New Jersey.

Certificates of Honor: George Reusch (Magna Cum Laude), New Jersey; Sterrett Patterson Beaven (Cum Laude), Maryland; Warren Dunning Haggerty, Jr., New Jersey; Donald Tiemeyer Frey, Maryland; Stanley Heller, New York; Frederick Bernard Rudo, Maryland.

Harry E. Kelsey Award for Professional Demeanor (contributed by former associates of Dr. Kelsey: Drs. Anderson, Devlin, Hodges, and Preis): Warren Dunning Haggerty, Jr., New Jersey.

The Dr. Isaac H. Davis Memorial Medal for Cohesive Gold Filling (contributed by Dr. Leonard I. Davis): Edward Paul McDaniel, Jr., Maryland; Honorable Mention, John Walter Toffie, New Jersey.

The Albert S. Loewenson Memorial Medal for Full Mouth Operative

Restoration (contributed by Mrs. Albert S. Loewenson): Warren Dunning Haggerty, Jr., New Jersey; Honorable Mention: Philip Gold, Maryland.

The Dr. Alex. H. Paterson Medal for Practical Set of Full Upper and Lower Dentures: Warren Dunning Haggerty, Jr., New Jersey; Honorable Mention, Frederick Bernard Rudo, Maryland.

American Society for Promotion of Dentistry for Children—Certificate of Merit: Morton DeScherer, New Jersey.

Keys for Meritorious Work on the *Mirror* Staff (presented by the Student Activity Committee): Sterrett P. Beaven, Maryland; Jerome Sylvan Cullen, Maryland; Warren Dunning Haggerty, Jr., New Jersey; Carl Haid Schultheis, Maryland.

The C. V. Mosby Co. Award of One Year's Subscription to *The American Journal of Orthodontics and Oral Surgery*: An Award of Merit for Outstanding Work on the *Mirror*: Warren Dunning Haggerty, Jr., New Jersey.

The presentation of awards was followed by a floor show and dancing. The graduation exercises were held the following morning at College Park.

#### TESTIMONIAL TO HALF-CENTURY PRACTITIONERS

At a testimonial dinner held at the Madison House, North East, Maryland, on October 2, fifty members and guests of the Harford-Cecil Dental Club honored Doctors Thomas B. Moore (U. of M. '91) of Rising Sun, Elvie S. Boyle (U. of M. '91) of Port Deposit, and T. Arthur Cronin (B. C. D. S. '91) of Aberdeen, on their completion of fifty years of practice in dentistry.

Dr. J. L. Trone, representing Cecil County, presented Doctors Moore and Boyle. Before entering dental school Dr. Moore engaged in farming and also taught school. In 1908 he was appointed a member of the Maryland Board of Dental Examiners. For the past ten years he has served on the Cecil County Board of Education and is now president of the Board. Dr. Moore has been an active member of the Harford-Cecil Club since its organization in March, 1928.

Dr. Boyle served for several years as a Town Commissioner of Port Deposit. He continues to be active in civic affairs. Dr. Boyle is also a charter member of the Harford-Cecil Club.

Dr. George A. Willis of Havre de Grace, representing Harford County, presented Dr. Cronin, who has been active in church and civic affairs during his half century of practice in Aberdeen.

Dr. William E. Trail, president of the Maryland State Dental Association, gave the greetings from the Association to the honored veterans in the profession. Dr. J. S. Hopkins, of Bel Air, presented the three half-century practitioners with gifts to commemorate the occasion. He read a series of letters and telegrams of congratulation. A special guest of the evening was Dr. T. S. Eader of Frederick, who has been engaged in practice over a period of sixty years. The last speaker was Dr. S. Claude Sykes of Elkton, who was honored in 1939, when he observed the fiftieth anniversary of his graduation.

A very impressive feature of this interesting meeting was the presence of four guests who graduated from dental schools in 1891 with Doctors Moore, Boyle, and Cronin: Dr. Henry Hoffman, Baltimore; Dr. C. P. Rice, York, Pa.; Dr. G. L. Deichman, Baltimore; and Dr. Herbert Gorgas, Baltimore.

## FRATERNITIES AND SOCIETIES

### OMICRON KAPPA UPSILON

The thirteenth annual convocation and banquet of Phi Chapter was held on June 4, 1941 in the Florentine Room of the Lord Baltimore Hotel. One of the largest gatherings ever attending a convocation was present.

Following the banquet Dr. William E. Hahn presented the 1941 graduates for induction into the fraternity: Sterrett P. Beaven, Baltimore; Donald T. Frey, Baltimore; Warren D. Haggerty, Ridge-wood, N. J.; V. Randolph Hawkins, Union, S. C.; Stanley S. Heller, Bronx, N. Y.; Herbert E. Klingelhofer, Baltimore; George Reusch, Cranford, N. J.; Frederick B. Rudo, Raspeburg, Md.; John W. Toffie, Bergenfield, N. J.

Then the Faculty and Alumni candidates were presented for induction by Dr. Walter L. Oggesen: Arthur C. Albert '16, Huntington, W. Va.; Walter A. Anderson '21, Baltimore; B. S. Babowicz '26, Erie, Pa.; Max K. Baklor '16, Baltimore; W. Cole Byron '26, Baltimore; Caleb Dorsey '26, Baltimore; Bert L. Henchey '21, Derby, Conn.; Benjamin J. Jacobs '26, Newark, N. J.; Hammond L. Johnston '32, Baltimore; Morton Kaplon '26, Summit, N. J.; M. Edward Coberth '27, Baltimore; Livius Lankford '16, Baltimore; Walter W. Stevens '21, Poughkeepsie, N. Y.

The honorary member for 1941 was Dr. Frank J. Houghton '17 of Jersey City, N. J., who was presented by Dr. J. Ben Robinson.

After the induction ceremonies, Dr. B. M. Dorsey introduced Dr. Gustav H. Faubert, who delivered the address of the evening.

President: Brice M. Dorsey.

Vice-president: William E. Hahn.

Secretary-Treasurer: Paul A. Deems.



## SIGMA XI

The Maryland Chapter of the Society of Sigma Xi has had several meetings this fall at College Park. The Dental School representatives of this graduate society are William Hahn, J. Ben Robinson, Myron S. Aisenberg, Marion W. McCrea, and Edward C. Dobbs.

The chapter is planning a combined program meeting with the University of Maryland Biological Society in the near future.

## PSI OMEGA ALUMNI

Plans are being formulated to celebrate at its birthplace, the Baltimore College of Dental Surgery, the fiftieth anniversary of Psi Omega. The time of the festivities in 1942 will be decided upon later, but there is no better time than the present to start the ball rolling.

This Golden Commemoration is being sponsored by the Oriole Alumni Chapter, and all members of Alpha, Phi, Pi, and Phi-Alfa Chapters will be contacted individually in the near future. This gathering of Alumni in 1942 should be a large one, and Oriole Chapter hopes for a big response from all the graduates.

Oriole Chapter still holds monthly luncheon meetings at the House, all of which are well attended; even though it has lost to the Army and Navy several of the "old faithfuls."

Grand Master: E. F. Corey.

Junior Master: C. L. Inman.

Treasurer: L. W. Bimestefer.

Secretary: T. G. Hartley.

Editor: R. E. Hampson.

## THE WOMEN OF PSI OMEGA

On Friday, October 17, a luncheon and card party was held at the Madison Apartment Hotel. Mrs. Thomas Manakee was chairman. At present Mrs. Wallace Inman and her committee are busy planning a "Bingo" party which is to be held on Friday, November 28,

at 8 p.m. This party will be given at the fraternity house, 1111 St. Paul Street. The next meeting of the organization will be on Monday, November 24.

The Women of Psi Omega have installed the following officers for this year:

President: Mrs. J. Thomas Nelson.

Vice-president: Mrs. Wallace Inman.

Secretary: Mrs. Thomas Hartley.

Treasurer: Miss Katharine Toomey.

Board of Directors: Mrs. Elmer Corey;

Mrs. James Pyott; Mrs. Leonard

Davis; Mrs. Robert Hampson.

## XI PSI PHI ALUMNI

The alumni chapter holds regular meetings on the first Thursday of each month at the fraternity house, 1829 Bolton Street.

President: Dr. Henry J. Youngs.

Vice-president: Dr. John M. Hyson.

Secretary-Treasurer: Dr. Filbert L. Moore.

Editor: Dr. Hugh T. Hicks.

## XI PSI PHI WOMEN'S CLUB

Mrs. Julia Brownell was elected President of the Club for the current year, and under her leadership the Chapter House was completely renovated during the summer months. She has made the House a real home for the boys as well as given them a better understanding of what fraternity life can be.

## ALPHA OMEGA ALUMNI

The Club launched its program for the coming year with the annual Memorial Meeting. Impressive services were held on October 15, 1941, at the Fraternity House. Frater Morris Cramer officiated, and Rabbi Israel Tabak brought us an inspiring message.

A full year of regular meetings, with speakers, has been planned, and we know that our activities will knit our group closer, as it grows in scope and in numbers.

The Baltimore group is looking forward to active participation in the National Convention to be held in December at the Hotel Edison, in New York.

Chancellor: Irvin Golboro.

Chancellor-Elect: Jesse Traeger.

Scribe: Morton Goldinger.

Quaestor: William Schunick.

Editor: Emanuel Hoffman.

#### SIGMA EPSILON DELTA ALUMNI

This fall finds the scientific calendar rapidly taking shape; it will bring various prominent men to our speakers' platform. Socially we anticipate a very complete program. At present we have an active bowling team, of which the "Glen Burnie Farmer," Dr. A. Sidle, is high-scorer.

The fraternity has several of its members in the service of Uncle Sam, and of them we are justly proud. The present list includes Drs. A. C. Eskin, S. Hanik, P. Krosser, L. Meinster, and B. Smith.

Master: I. Koppel.

Chaplain: M. Gotthelf.

Secretary: H. Rostov.

Treasurer: I. Abramson.

Inner Guard: S. Friedman.

Outer Guard: P. Kroser.

Historian: B. Eskow.

Under the able guidance of our newly elected Master, the scientific and social calendar of the year was planned.

#### THE WOMEN OF SIGMA EPSILON DELTA

The Ladies Auxiliary of the Sigma Epsilon Delta Fraternity is opening the season with a benefit card party, Mah Jong and Bingo at the Fraternity House—proceeds to be given to the American Dental Ambulance Committee for the Anzacs.

A bowling team, which was organized by Mrs. Irving Abramson, Mrs. Isaac Koppel, Mrs. Bernard Eskow, and Mrs. Henry E. Rostov, is progressing well.

At our last meeting it was decided to participate in refurnishing the Fraternity

House, and to cooperate in planning the annual Thanksgiving affair of the alumni.

A Scientific Club is being formed and various professional men will be asked to speak before it in order that the women may be better informed concerning the science and the art of dentistry.

#### UNIVERSITY OF MARYLAND BIOLOGICAL SOCIETY

The first program meeting of the University of Maryland Biological Society for this school term was held in Gordon Wilson Memorial Hall on October 21. There were two papers: "The Relation of Chemical Structure to Fungicidal Activity" by Richard H. Berry and "The Porphylline Fluorescence of Hardian Glands in Cancer Susceptible and Cancer Resistant Strains of Mice" by F. H. J. Figge and L. C. Strong.

The present officers of the society are: Thomas C. Grubb, President.

Robert H. Oster, Secretary.

Marion W. McCrea, Treasurer.

Ronald Bamford, Secretarial Representative from College Park.

The members of the council are:

H. Boyd Wylie.

Walter H. Hartung.

Edward C. Dobbs.

C. Jelleff Carr.

The annual fall dinner and business meeting of the officers and council was held at the home of the retiring president, Thomas C. Grubb, 533 E. Cold Spring Lane, on October 28.

#### INTERNATIONAL ASSOCIATION FOR DENTAL RESEARCH

The next general meeting of the Association will be held on March 14 and 15, at the Commodore Hotel in New York City. All members and investigators in dental problems are asked to present their research papers before the scientific section.

The officers of the Association are as follows:

Isaac Schour, President.  
 Charles F. Bodecker, President-Elect.  
 Philip Jay, Vice-president.  
 Edward H. Hatton, Secretary-Treasurer.

#### AMERICAN PHARMACEUTICAL ASSOCIATION

The Maryland section of the Association was held at Sauble's Inn in Taneytown on October 23, 1941. The Baltimore Group had many representatives there.

On October 9, 1941, the Baltimore section had a program meeting in the Pharmacy School. Dr. Black from the E. R. Squibb Company spoke on the Vitamin-B complex. He had many excellent slides showing the effects of avitaminosis "B" on the skin and mucous membranes. A number of dentists and dental students attended the lecture.

#### PERSONALS

Dr. Jasper Jerome Tew '31 married Elizabeth Inex Rogers on June 11, 1941.

Dr. Frank Peter Cammarano '38 married Angela Margaret Mariani on June 18, 1941.

Dr. Eugene Leo Pessagno, Jr. '40 married Mary Emily Brown on June 14, 1941.

Dr. George Reusch '41 married Ruth Kuhnle on June 8, 1941.

Dr. Nicholas James Capone '41 married Lydia Elizabeth Hoggson on June 14, 1941.

Glenn D. Steele '42 and Alice Elchenko, of the Exodontia Clinic, were married on May 31, 1941.

Dr. Clarence Vaden McMillin '38 married Ruth Jane Looper on June 18, 1941.

Dr. Joseph Charles Dembo '41 married Ruth Alice Sokol on June 29, 1941.

Dr. Edward Rennert Stinebert '39 married Jane Katherine Sauter on August 23, 1941.

Dr. Carl Haid Schultheis '41 married

Henrietta Elizabeth Chesley on August 30, 1941.

Dr. Osler Collinson Joyce '39 married Dorothy Frances Hoffmeister on September 30, 1941.

Dr. Raymond Blais '39 married Maureen Shea on October 20, 1941.

Dr. Louis L. Brown '33 married Kathryn Elizabeth Newton on November 1, 1941.

Dr. Frank L. DePasquale '41 married Ermine Rabai on October 26, 1941.

Ralph Emil Curcio, son of Dr. and Mrs. E. L. Curcio '35, was born on June 22, 1941.

Carmen Amelia Tolley, daughter of Dr. and Mrs. (Elsa Chiques) Leonard J. Tolley '41, was born September 3, 1941.

#### OBITUARY

Dr. Fred Lautenbach, Jr. (B. C. D. S. 1902) of Baltimore died May 15, 1941.

Dr. H. G. Pinnell (B. C. D. S. 1905) of Piedmont, West Virginia, died April 20, 1941.

Dr. Leonard Dressel (Univ. of Md. 1900) of Baltimore, died July 29, 1941.

Dr. Andrew Smith (B. M. C. 1897) of Washington, D. C., died July 15, 1941.

Dr. Paul A. Cyr (B. C. D. S. 1918) of Augusta, Maine, died April 14, 1941.

Dr. Charles J. Carey (B. C. D. S. 1905) of Taunton, Mass., died September 3, 1941.

Dr. Robert H. Kramer (B. C. D. S. 1906) of New Haven, Conn., died September 23, 1941.

Dr. Edwin M. Ryan (Univ. of Md. 1928) of Danbury, Conn., died in May, 1941.

Dr. Albert F. G. Bedinger (Univ. of Md. 1903) of Knoxville, Tenn., died April 14, 1940.

Mrs. T. O. Heatwole died September 3, 1941.

Dr. Frederick O. Moore (U. of Md. 1912) of St. Johnsbury, president of the Vermont Dental Society, died on November 2, 1941.



## *In Memoriam*

HARRY E. LATCHAM, D.D.S., F.A.C.D.

**D**R. LATCHAM died suddenly on August 20, 1941. In his passing the School has lost a devoted and very capable teacher whose excellent standards, both personal and professional, have exercised an important influence on the work of several hundred B. C. D. S. men now engaged in practice.

Dr. Latcham was born in Montezuma, Iowa, in 1879. He received his early education in Jefferson, Iowa. Dr. Latcham received his D.D.S. degree from the Northwestern School of Dentistry in 1901. After three years' practice in Nebraska, he returned to Jefferson, where he practiced until 1921. Then he established a practice in Sioux City, Iowa; from there, in 1930, he came to the B. C. D. S. as Assistant Professor of Operative Dentistry.

As a technician of operative procedures and as an outstanding authority on the manipulation of gold foil, Dr. Latcham enjoyed an international reputation. He was a member of the Technological Committee of the American Association of Dental Schools. He also cooperated with the U. S. Bureau of Standards in research pertaining to materials used in dental restorations.

Dr. Latcham was a past president of the Iowa State Dental Society and of the Fort Dodge District Dental Society, a prominent member of Delta Sigma Delta fraternity, a member of the Omicron Kappa Upsilon honorary fraternity, an honorary member of the Gorgas Odontological Society, secretary of the Maryland division of the American College of Dentists, and a member of the Baltimore and of the Maryland Dental Societies.

Dr. Latcham is survived by Mrs. Latcham and their daughter, Virginia.

## STUDENT ACTIVITIES

### FIRST PREDENTAL CLASS

President: Henry Kania, New Britain, Conn.

Vice-president: Charles Brosnan, Wallingford, Conn.

Secretary: George Hansen, Baltimore.

Treasurer: Hugh Hicks, Baltimore.

Historian: Walter Baer, Baltimore.

### SECOND PREDENTAL CLASS

September found most of the members of the original class of 1946 returning to good old B. C. D. S. It seems that the summer vacation did nothing to the various mannerisms of the students, now in their second year of predental work: Dunn still tries not to be a walking advertisement for a comb; Peterson and Gigliotti continue their arguments concerning the team that won the world series and the team that lost; "Smitty," the debutantes' heart-throb, continues to emit howls closely resembling those of a well-known carnivorous animal; Merriam still amazes the professors with his uncanny accuracy in judging to the split second the time that the bell will ring; and Barry still expounds about many of those feminine unveilers who contribute to the "Gayety" of life.

Much of our time is spent in "gassing" the first-year predental students; collecting wagers from Bonvini, who never picks the right football team; and trying desperately to maintain a *five* average in physics.

President: W. R. Huff, East Orange, N. J.

Vice-president: R. Gigliotti, New London, Conn.

Secretary: J. G. Barry, New London, Conn.

Treasurer: C. J. Bove, Eastport, Md.

Sergeant-at-arms: D. G. Smith, Baltimore.

Historian: A. B. Liftig, West Hartford, Conn.

### FRESHMAN CLASS

There hasn't been very much social activity for the class as yet, but we are all looking forward, very impatiently, to the Mixer Dance, which will be held November 8 at the Maryland Casualty Building. Those of us who have taken our predental courses here at Maryland know what to expect at this dance, and if this year's mixer is as great a success as were the last two, we are sure that all attending it will have a swell time.

President: J. J. Brown, Delancey, N. J.

Vice-president: E. J. Hoffman, Baltimore.

Secretary: W. T. Schadel, South Charleston, W. Va.

Treasurer: D. Michnoff, Miami Beach, Fla.

Sergeant-at-arms: S. P. Ferraro, Paterson, N. J.

Historian: D. A. Abrams, Beckley, W. Va.

### SOPHOMORE CLASS

No longer need we say, as was our custom during college days, "We have passed another milestone." Our cry is now "We have o'erleaped the flame." With our Freshman year, that Scylla and Charybdis of all dental students, behind us, what need we fear?

All in all, the outlook is bright. Our class is only slightly smaller than it was last year, and one of our former classmates is now a commissioned officer in the U. S. Army.

Our activities, to this point, consist only of elections, the results of which are:

President: E. Biczak, Passaic, N. J.  
 Vice-president: A. Reitman, Brooklyn, N. Y.

Secretary: R. Smith, Harrington, Del.  
 Treasurer: R. Kahn, East Orange, N. J.

Sergeant-at-arms: P. Zeender, Winsted, Conn.

Historian: R. Silverman, Bronx, N. Y.

However, we intend to inaugurate a season of social activities on November 8 with the annual Dental School Mixer. The Mixer is to be followed by monthly affairs, either stags or dances. We hope to be addressed, at these stags, by various members of the faculty. To finance these affairs, each member of our class pays weekly dues. Thus, our class, with its fun-loving attitude to lighten its tasks, moves forward to its goal.

#### JUNIOR CLASS

Our third year marks the period of great transformation in our dental education, when the step from laboratory to clinical operative dentistry is made. Simultaneously our attitude, ideas and viewpoints take on a new meaning, for our dentoforms are replaced by vital tissues. Technical methods must be modified; human nature confronts us, and new situations alter the field.

After two years spent in building a solid scientific foundation, we have entered the practical phase of dentistry. Our admittance to the clinic floors brings us into actual combat with dental ills. Backed only by our theoretical knowledge, we have found the first month a bit slow and hesitant. But daily our confidence grows, as well as our realization of the fact that dentistry is a fascinating and a worthwhile profession.

New experiences bring with them new tribulations. Our primary causes of concern are the fulfilling of the required

number of points and getting the patients who are necessary to that end. Our less cheery moments are spent with shallow margins, refills, gnarled enamel, sensitive c-e junctions, exposures, miscasts, burnt cases, not to mention squirming ten-year-olds, viscid saliva and unyielding masseters.

With a record scholastic standing the qualified Juniors have received their invitations to join the Gorgas Odontological Society. The Oren H. Gaver Seminar group, founded by our class last year, enters its first full school year with a constitution and a program which will establish the work of the group as a valuable adjunct to the formal training offered by the School. This year there will be an expansion of its membership.

The following officers were elected to serve the class during the year:

President: R. Spoon, Winston-Salem, N. C.

Vice-president: M. Feldman, South Fallsburg, N. Y.

Secretary: J. DiTrollo, Kearny, N. J.  
 Treasurer: M. Robinson, Newburgh, N. Y.

Sergeant-at-arms: V. Onesti, Brooklyn, N. Y.

Historian: I. J. Cierler, Baltimore.

#### SENIOR CLASS

President: Lewis Toomey, Elkridge, Md.

Vice-president: Ezra Gratz, Brooklyn, N. Y.

Secretary: William Aldridge, Baltimore.

Treasurer: Bernard Helitzer, Glens Falls, N. Y.

Sergeant-at-arms: Henry Lasch, New Britain, Conn.

Historian: Jason Lewis, Lewiston, Maine.

Student Representative: John Wieland, Baltimore.



## THE FRATERNITIES

## PSI OMEGA, ALPHA CHAPTER

In September various repairs were made at the House, such as painting the kitchen and lab and wallpapering the rooms. During the same month there was one informal Saturday night dance given at the House for the members.

In October there were two meetings, which were marked by almost perfect attendance. The fraternity was well represented in the send-off at the station given to those of the faculty who attended the A. D. A. Convention in Houston, Texas. During this month there were two informal dances given at the House for members and pledges. Also during the latter part of the month the informal initiation was given to pledges carried over from last year.

On November 3 the formal initiation of neophytes was accomplished. There was a get-together to welcome home our Deputy Counsellor, Dr. Deems, from the Convention in Houston, Texas. Also during the month there were two meetings and two informal dances held at the House. Members, pledges, and friends were invited to the dances, which were in every way a success.

Under the guidance of Dr. Paul Deems we hope to experience many important and interesting events during the other months of this academic year.

At the election held last April the following were made officers:

Grand Master: Stewart Everson,  
Washington, D. C.

Junior Grand Master: Jack Bryce,  
Florence, S. C.

Secretary: Milton Wilkinson, North  
Arlington, N. J.

Treasurer: Glenn Steele, Catons-  
ville, Md.

House Manager: Arthur Pecoraro,  
New York, N. Y.

Chaplain: Woodrow Corder, Clarks-  
burg, W. Va.

Pledge Master: Algert Lazauskas, Bal-  
timore.

Inside Guardian: James Criss, Fair-  
mont, W. Va.

Outside Guardian: Joseph Emburgia,  
Vineland, N. J.

Editor: Stanley Biega, Wallingford,  
Conn.

Historian: George DeYoung, Pater-  
son, N. J.

Chief Interrogator: Asher Carey, Jr.,  
Frankford, Del.

Senator: Julius Powell, Clinton, N. C.

## XI PSI PHI, ETA CHAPTER

The Chapter ended the last school year by the induction of six new members into its ranks. At the formal initiation held at the Chapter House, on April 4, the following men were initiated:

Louis L. Murzin '42, Harrisburg, Pa.

Arthur J. Lepine, Jr. '43, Holyoke,  
Mass.

Caryl T. Adams '44, Bennington, Vt.

Melvin C. Beaumont '44, New-  
ark, N. J.

Fred V. Beerbower '44, King-  
wood, W. Va.

William C. Landy '44, Clifton, N. J.

At the beginning of this school year Eta Chapter pledged four more men from the class of '44: Harry Butler, Harry Camp, H. Robert Gibson, and Harry Kiernan. Three of the men were formally initiated on October 28: Butler, Camp, and Gibson.

Eta extends sincere congratulations to this group of men and feels that the new members will give wholeheartedly to the betterment of the Chapter and the Xi Psi Phi fraternity.

The following officers were elected to serve the Chapter for the school year of 1941-42:

President: Chester B. Ralph, Keyport, N. J.  
 Vice-president: Daniel Bixby, Jamestown, N. Y.  
 Secretary: Samuel L. King, Mt. Nebo, W. Va.  
 Treasurer: Roger E. Williams, Hilton Village, Va.  
 Editor: Louis L. Murzin, Harrisburg, Pa.  
 Herald: Arthur J. Lepine, Jr., Holyoke, Mass.  
 Guard: Caryl T. Adams, Bennington, Vt.  
 Sentinel: Fred V. Beerbower, Kingwood, W. Va.  
 Master of Ceremonies: Simpson Libby, Milford, Maine.  
 Deputy Supreme President: Dr. M. Edward Coberth.  
 Assistant Deputy Supreme President: Dr. Kenneth V. Randolph.

#### ALPHA OMEGA, ZETA MU CHAPTER

The Chapter has had a very eventful time so far this semester. One quiet evening in October we had our initiation which was one of our more serious activities. Following our fraternity policy, we had Mr. Meyer Trupp, editor and foreign correspondent, give us a talk at the House on the foreign situation.

We also had activities at the House of less serious character. Our Halloween Party was a great deal of fun. There were costumes, decorations, noise and the many other features which contribute to make this sort of a party successful. Also we have been having our usual Saturday night get-togethers which make for good fellowship and pleasure.

#### SIGMA EPSILON DELTA, EPSILON CHAPTER

The forty-five active members returned from the summer vacation to find the house equipped with new furniture, dec-

orations, and amusement facilities. The year was formally opened by the annual Smoker, which was a gala affair. Entertainment, speeches, and refreshments made it a success. Many social functions have alleviated the cares and worries of our school life. Besides the Saturday night get-togethers the Halloween dance, which was given to the upperclassmen by the pledges, was most heartily enjoyed. As a climax to these social events the members are looking forward to the annual Induction Dance to be held in February. Our bowling team has proved its prowess in many a game. At present it is tied for second place with the team from Johns Hopkins Medical School.

As in the past, neophytes were given clinics and lectures pertaining to the various courses in the freshman curriculum, the object being to orient them and assist them in their new fields of endeavor. In our well-rounded program of educational talks we were fortunate enough in having Dr. McCrea as a speaker. His topic, "The Resurrectionists," was of great interest, since it represents a phase of his work with which few of us are familiar.

#### OREN H. GAVER DENTAL SEMINAR

The first regular meeting of the Seminar was held at the School on October 29. Dr. William E. Hahn presented a paper on "Capacity of Developing Tooth Germ Elements for Self-Differentiation When Transplanted." The presentation was followed by an open discussion.

Other papers already presented at Seminar meetings include "Concerning the Vitality of Enamel," by R. E. Spoon '43; "Lymphatics in the Dental Tissues" by H. S. Levy '43; "Electroforming" by H. W. Cooper '43; and "Electrodialysis" by Dr. M. K. Baklor.

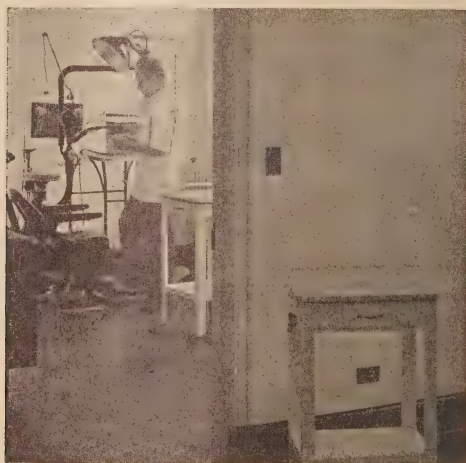
It is the hope of the group to increase its membership this year to thirty-five men, all of whom will be expected to make contributions to the meetings in the form of papers based on scientific findings or reviews of published materials. The work of the group is progressing under the wise guidance of several faculty members who are maintaining a keen interest in the Seminar as an effective medium for encouraging the members to participate in the various phases of dental scholarship.

#### THE STUDENT LOUNGE

During the summer the old student locker room was hit by a "blitz" of mov-

ers, painters, carpenters, etc. After much activity there was evolved a new and practical room with a streamlined and cozy atmosphere. This renovation is the result of effective collaboration between Dr. J. Ben Robinson and Dr. Harry McCarthy, who were responsible for the idea, and the Student Activity Council, the members of which arranged for the equipment.

The lounge is open to all dental and pre-dental students and is governed by a set of rules drawn up by the students themselves. The accommodations of the room already have contributed much to the general comfort of the students of the School.



SECTION OF THE DIAGNOSIS CLINIC



## THE FRESHMAN CLASS

- David A. Abrams (B.S.), Beckley, W. Va., University of Maryland
- Herbert E. Alson, Bronx, N. Y., College of the City of New York, New York University
- William V. Applegate, Montclair, N. J., Lafayette
- Richard G. Baker, Kings Mountain, N. C., Davidson
- Jack Bloom (B.S.), Hartford, Conn., University of Vermont
- William Blumenfeld, Newark, N. J., Temple
- Harry V. Borg, Takoma Park, Md., New Platz, New York, State Normal, Columbia Junior College, University of Maryland
- Jack Brody, Philadelphia, Pa., Franklin and Marshall
- David C. Brown, Milford, Conn., University of Maryland
- James J. Brown, Delance, N. J., Villanova
- Walter B. Brown, Fairmont, W. Va., Fairmont State Teachers
- Harold R. Bulitt, Trenton, N. J., Rutgers
- Arnold H. Castaline, Mattapan, Mass., Northeastern, Michigan State
- Carl L. Catani (A.B.), Milton, Mass., Cambridge Junior College, Clark
- Frank S. Celestino (B.S.), Westerly, R. I., Rhode Island State
- Lloyd E. Church, Moundsville, W. Va., West Virginia University
- Hugh M. Clement, Baltimore, University of Maryland
- John E. Cockayne, Southington, Conn., University of Connecticut
- Theodore H. Craig, Wallingford, Conn., University of Alabama, Ohio University
- Edward B. Cullen, Baltimore, University of Pittsburgh, University of Maryland
- Charles A. Daghir, S. Somerset, Mass., Findlay, Baldwin-Wallace
- John Della-Porta, Rochester, N. Y., University of Rochester, St. Bonaventure
- Elpidio Diaz, Rio Piedras, Puerto Rico, Stanford, University of Puerto Rico
- Albert E. DiPrete, Cranston, R. I., Providence
- David H. Dosh, Baltimore, University of Maryland
- Charles Epstein, Lake Placid, N. Y., Providence
- Donald G. Fales, Baltimore, University of Maryland
- Stephen P. Ferraro (B.S.), Paterson, N. J., Notre Dame
- Guillermo P. Garcia, Aquadilla, Puerto Rico, University of Puerto Rico
- Stanley I. Garland, Baltimore, University of Virginia, Johns Hopkins, University of Maryland
- Oren H. Gaver, Linthicum Heights, Md., University of Maryland
- Clarence R. Gerber, St. Mary's, W. Va., West Virginia University
- Raymond E. Goddu (B.A.), Holyoke, Mass., Assumption
- Edward L. Goldberg, Lynn, Mass., University of Maine
- Harold Goldberg, Westfield, N. J., University of Maryland
- Saul Goodman, Hartford, Conn., University of Maine
- Bernard Gordon, Phoenicia, N. Y., University of Maryland
- Max Gordon, Baltimore, University of Maryland
- Theodore Gorfine, Somerville, Mass., Providence
- Joseph T. Gorski (A.B.), Webster, Mass., Holy Cross
- Burton Gottfried, Brooklyn, N. Y., New York University
- George A. Graham (B.S.), Miami, Fla., University of Florida
- Crockett L. Harrison (B.A.), Bradshaw, W. Va., Cumberland, West Virginia University
- Charles W. Hennessey, Jersey City, N. J., University of Maryland
- Howard C. Hester, Englewood, N. J., Columbia Junior College, Junior College of Bergen County
- Sumner D. Hirshberg, Medford, Mass., Northeastern, Clark
- Edward J. Hoffman, Baltimore, University of Maryland
- Conrad L. Inman, Baltimore, Washington and Lee
- Anton Jacob (B.S.), Bridgeport, Conn., University of Vermont

- Henry V. Keilly, Little Falls, N. J., University of Newark
- Mervyn W. Kellam, Cape Charles, Va., University of Virginia
- Robert C. Knowlton (B.A.), Westbrook, Maine, University of Maine
- Albert S. Loewenson, Baltimore, University of North Carolina
- John W. Logsdon, Balboa, Canal Zone, University of Maryland
- John M. Mallow, Upper Tract, W. Va., Shepherd State Teachers
- William F. Marano, Newark, N. J., University of South Carolina
- (Miss) Josefina Maristany, Ponce, Puerto Rico, College of Saint Elizabeth
- Joseph R. Massucco (B.S.), Bellows Falls, Vt., University of Vermont
- Edward J. Mee (B.S.), New Bedford, Mass., Providence
- Bension Menasce, Bronx, N. Y., New York University
- Donald M. Michnoff, Miami Beach, Fla., University of Florida
- Alfred J. Morini (B.S.), Amsterdam, N. Y., Manhattan, St. Bonaventure
- Eugene Moskowitz, Bridgeport, Conn., University of Connecticut
- Thaddeus J. Novicki, New Haven, Conn., Clark
- Robert M. Olive, Fayetteville, N. C., University of North Carolina
- Lawrence J. Olsen, Orange, N. J., Wayne, University of Maryland
- Francis Ostrowski (A.B.), Webster, Mass., Holy Cross, Tufts
- John Pascone (B.S.), Providence, R. I., Providence
- Elliott H. Perlman, New Haven, Conn., University of Connecticut
- William E. Pfeifer, Halethorpe, Md., University of Maryland
- Donald E. Polizzi, Rochester, N. Y., St. Bonaventure
- Edward Quat (B.A.), Brooklyn, N. Y., Brooklyn
- Artaldo V. Quinones (B.S.), San German, Puerto Rico, Georgetown, University of Virginia
- Herbert A. Radler, Newark, N. J., University of Maryland
- (Miss) Viola M. Rivera, Yauco, Puerto Rico, University of Puerto Rico
- Herman S. Rockoff (B.S.), Bridgeport, Conn., University of Richmond
- Marcus R. Rodriguez, Bayamon, Puerto Rico, University of Puerto Rico
- Ellsworth D. Rogers, Waterbury, Conn., Colby, University of Vermont, Roanoke
- Abner T. Rowe, Washington, D. C., University of Maryland
- Henry J. Sancier (B.S.), Edgewater, N. J., Seton Hall
- Daniel A. Savini, Maplewood, N. J., Villanova
- William T. Schadel, South Charleston, W. Va., Kanawha, Marshall
- Abbe J. Selma (B.A.), New York, N. Y., New York University
- David Shapiro, Washington, D. C., University of Maryland
- Robert P. Shapiro, Unionville, Conn., American International, University of Connecticut
- Bernard Silver, Brooklyn, N. Y., New York University
- Norval F. Smith, Baltimore, University of Maryland
- Harvey K. Soloff (B.A.), Brooklyn, N. Y., Brooklyn, Long Island
- Charles H. Stagg, Flushing, N. Y., Long Island
- Richard B. Steele, Dagsboro, Del., University of Delaware, Roanoke
- Jerome Steiner, Baltimore, Johns Hopkins, University of Maryland
- Casimir R. Szeftczyk, Passaic, N. J., New York University, University of Newark
- Vincent A. Ventriglia (B.A.), New York, N. Y., New York University
- Stanley L. Weinberg, Elizabeth, N. J., Indiana University
- Earl R. Weiner, Baltimore, University of Maryland
- Paul C. Whitesides, York, S. C., Duke
- Edward P. Wilson, Salisbury, Md., Salisbury State Teachers, University of Maryland
- Murray Yavner, Roxbury, Mass., Massachusetts State, University of Maryland

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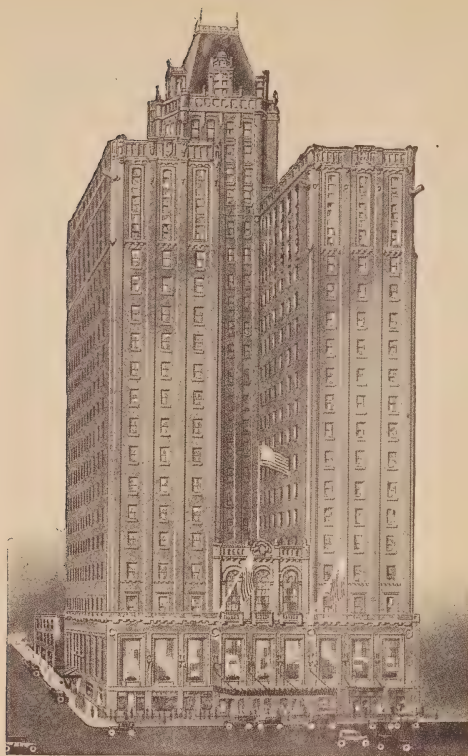
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### CHANGE OF ADDRESS

The Editorial Committee is making every effort to maintain a complete and accurate file of our alumni. This is a difficult task, and cannot be done without the aid of our graduates. We therefore request every one when changing his residence to fill in the accompanying form.

Name.....

Old Address.....

New Address.....

Tear out and mail to Editor, The Journal of the Baltimore College of Dental Surgery, Dental School, University of Maryland, Lombard and Greene Sts., Baltimore, Maryland.

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*Purposes* of this journal are (1) To create a closer, harmonious relationship between the Alumni, the Faculty and the Students; (2) To keep members of the Alumni Association informed as to the progress of their organization; (3) To afford the means for publication of alumni writings; (4) To present to the Student Body an opportunity for instruction in the preparation and publication of writings; (5) To present reviews and abstracts of recent literature; (6) To present case reports of interest; (7) To familiarize the Alumni with the activities of the Clarence J. Grieves Library.

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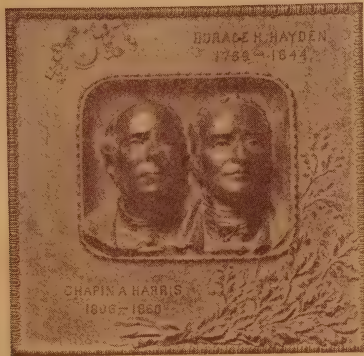
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DENTAL SURGERY

# *The Journal* *of the* BALTIMORE COLLEGE OF DENTAL SURGERY

DENTAL SCHOOL  
UNIVERSITY OF MARYLAND



*June, 1942*

Program Number

Alumni Meeting and Commencement Activities





THE JOURNAL  
of the  
BALTIMORE COLLEGE OF DENTAL SURGERY  
DENTAL SCHOOL  
UNIVERSITY OF MARYLAND

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VOL. 6

No. 2

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*The Journal of the Baltimore College of Dental Surgery is published irregularly by the Faculty, Undergraduate Body and the Alumni Association of the Baltimore College of Dental Surgery, Dental School, University of Maryland; and the Grieves Library Foundation of the Maryland State Dental Association.*

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## MESSAGE TO THE ALUMNI

THE OFFICERS of the Alumni Association and the Faculty of the School have completed plans for the 1942 Commencement Week activities which include class reunions, the annual business meeting, golf for the men, entertainment for the ladies and the annual alumni banquet.

Commencement Week is an occasion which is considered by the alumni as an opportunity to return to their Alma Mater and renew old acquaintances by meeting with classmates and friends.

Because of the war, all colleges and universities of the nation have accelerated their courses of training for the duration. As a result of this change, the alumni functions will be held one week earlier this year, May 28 and 29.

An announcement was made in the January issue of the JOURNAL of plans for a national alumni dinner to honor Dr. J. Ben Robinson, President-Elect of the American Dental Association. A testimonial dinner will be given in his honor on Tuesday night, August 25, at the Statler Hotel, Headquarters of the A.D.A. in Boston, Mass. Each alumnus should do his bit toward making this the greatest reunion in the history of the Association.

Your Alumni Association and your School needs your support at all times: send in your dues immediately.

LEONARD I. DAVIS, *President*  
*National Alumni Association*  
*Baltimore College of Dental Surgery*  
*Dental School, University of Maryland*





# SCHOOL SONS AND DAUGHTERS OF ALUMNI

*First Row:* Lash (U. of Md. '14), Hoffman (B. C. D. S. '08), Tothman (B. C. D. S. '16), Maristany (U. of Md. '18), Quitt (U. of Md. '14), Bernard (U. of Md. '19), Robinson (U. of Md. '10). *Second Row:* Loewenson (U. of Md. '15), Keighley (B. C. D. S. '07), Coroso (B. C. D. S. '13), Carvalho (U. of Md. '14), Rogers (B. C. D. S. '06), Merriam (B. C. D. S. '05). *Third Row:* Lepine (U. of Md. '14), Gaver (U. of Md. '18), Aldridge (U. of Md. '16), Huff (B. C. D. S. '14), Askins (B. C. D. S. '14), Baker (U. of Md. '07), Clement (B. C. D. S. '20). *Fourth Row:* Olive (U. of Md. '14), Hicks (B. C. D. S. '19), Blevins (U. of Md. '16), Dunn (U. of Md. '18), Inman (B. C. D. S. '15), Watson (U. of Md. '08).

THE BALTIMORE COLLEGE OF DENTAL SURGERY  
DENTAL SCHOOL  
UNIVERSITY OF MARYLAND

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THE FACULTY AND THE ALUMNI ASSOCIATION

announce

THE ACTIVITIES

for

THE ALUMNI AND THE GRADUATING CLASS

COMMENCEMENT WEEK

at

BALTIMORE

May 27, 28, 29, 1942



COMMENCEMENT EXERCISES

at

COLLEGE PARK

May 29—11.00 a. m.

## COMMENCEMENT AND ALUMNI PROGRAM

WEDNESDAY, MAY TWENTY-SEVENTH

7:00 p.m.—

OMICRON KAPPA UPSILON FRATERNITY (PHI CHAPTER)

BANQUET AND INITIATION

Lord Baltimore Hotel

THURSDAY, MAY TWENTY-EIGHTH

1:30 p.m.—

GOLF TOURNAMENT

The Annual Golf Tournament of the National Alumni Association will be held at the Rolling Road Golf Club.

A valuable cup will be awarded to the person winning the championship and will remain in his possession one year, after which it shall be returned to the Chairman of the Golf Committee. The cup will become the permanent property of whoever wins the tournament three times. Luncheon will be served at the Club House for a minimum fee for those desiring it; also a greens fee will be charged. (Bring your official club handicap card.) All prizes will be awarded at the annual business meeting on Friday, May 29, at 12 o'clock noon.

Cup Winners

1936—Dr. Louis Rossmann, '15

1937—Dr. Stuart G. Buppert, '36

1938—Dr. George E. Hardy, '26

1939—Dr. Kyrle W. Preis, '28

1940—Dr. Edward R. Stinebert, '39

1941—Dr. Edward R. Stinebert, '39

12:30 p.m.—

LADIES ENTERTAINMENT

The ladies will be accorded true Baltimore hospitality by our Committee. Entertainment will be provided for all the visiting ladies of the Alumni, programs for which will be available at the Registration Desk, Dental School.

7:00 p.m.—

SENIOR CLASS BANQUET AND DANCE

Emerson Hotel

Invitations are limited to the Faculty members and their wives and the members of the Senior Class and their guests.

7:00 p.m.—

## REUNION DINNERS FOR CLASSES OF

1892	1917
1897	1922
1902	1927
1907	1932
1912	1937

Each class arranges its dinner and place of meeting. The complete list of CLASS REUNION CHAIRMEN AND Co-CHAIRMEN is presented in this program under "Committees." If you have not already been contacted by your Chairman as listed, please get in touch with him immediately for complete details about your Class Reunion.

## FRIDAY, MAY TWENTY-NINTH

9:00 a.m.—

## SENIOR PRIZE CONTESTS

## COHESIVE GOLD FILLING (OPERATIVE CLINIC)

The Dr. Isaac H. Davis Memorial Medal  
(Contributed by Dr. Leonard I. Davis)

## FULL MOUTH OPERATIVE RESTORATION (OPERATIVE CLINIC)

The Dr. Albert S. Loewenson Memorial Medal  
(Contributed by Mrs. Albert S. Loewenson)

## PRACTICAL SET OF FULL UPPER AND LOWER DENTURES (PROSTHETIC CLINIC)

The Dr. Alex. H. Paterson Memorial Medal  
(Contributed by the Paterson Family)

12:00 noon—

## ALUMNI BUSINESS MEETING

Dental School Building, Room 37

Annual Business Meeting of the National Alumni Association

1:00 p.m.—

## SENIOR CLASS ASSEMBLY

Room 37

There will be brief addresses by Dr. Leonard I. Davis, President of the National Alumni Association, Mr. Lewis C. Toomey, President of the Senior Class, and Dr. J. Ben Robinson, Dean of the School.

1:30 p.m.—

## LUNCHEON

University Hospital Dining Hall

The Judges of the Contests, the members of the Senior Class, and the visiting Alumni will be guests of the Faculty at luncheon.



7:00 p.m.—

## ALUMNI BANQUET AND DANCE

Lord Baltimore Hotel

The banquet promises an interesting and pleasant occasion where good fellowship will reign. Dancing will follow. The graduating class will be guests of the Faculty. The banquet tickets are \$2.50 per person. Reservations may be obtained from Dr. Howard Van Natta, Treasurer, Medical Arts Building, Baltimore, Maryland. Wives and friends are invited.

## SATURDAY, MAY THIRTIETH

11:00 a.m.—

Commencement Exercises at College Park

---

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## PRIZE CONTEST JUDGES

(Friday, May 29, 9 a.m.)

## COHESIVE GOLD FILLING

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## NUCLEAR DISINTEGRATION: SCIENCE'S NEW GIFT TO DENTISTRY

H. BERTON MCCAULEY, '36\*

IN 1929, when Ernest Lawrence, the young associate professor of physics at the University of California, conceived the cyclotron, "atom smashing" was not a new idea. Ten years previously, Rutherford, the eminent English scientist, caused high energy radiations from a natural radioactive source (such as radium) to "bombard" ordinary nitrogen in a closed chamber. Imagine his surprise and elation to find that a quantity of the nitrogen had been transmuted into a heavy form of oxygen! He had converted the dream of the medieval chemist to reality.

Inspired by this achievement, physicists far and wide further pursued the study of the atom. Natural radioactivity supplied the projectiles for countless "bombardment" experiments. Boron was transmuted to carbon; aluminum to silicon and sulphur to chlorine. Fluorine miraculously became sodium in one experiment and oxygen in another; isotopic variations of calcium were produced from potassium and argon. These great works had hardly begun when the need was felt for a more versatile source of projectiles. The small quantity of natural radioactive material was partly responsible. The desirability of higher energy projectiles was probably an even greater factor. In any event, several types of apparatus were designed to produce artificial projectiles. The cyclotron of Lawrence proved to be the most satisfactory, and is now in universal use wherever there is "atom smashing" to be done.

This high-voltage generator operates on the principle that ions of gas in a strong magnetic field assume motion in a circular path, whose radius depends on the strength of the magnetic field, the electrical charge and mass of the ions, and their velocity. Two D-shaped copper boxes in a vacuum chamber contain the whirlpool of ions and at the same time act as electrodes for the application of an oscillating electric field of several thousand volts. Each time an ion passes from one D to the other in its circular course, its kinetic energy is increased by the voltage between the D's, and its velocity and radius of path are increased accordingly. In this way, a comparatively small voltage, used over and over again, gives the ions a series of electrical pushes, while a huge magnet limits their motion to a compact spiral analogous to that on a phonograph record. Ions approaching the circumference of the D's are magnetically deflected and focused into a beam directed to the outside of the apparatus. Emerging ions have energies of the order of several million (electron) volts. The beam, directed against a sample containing atoms of any element, will cause a small proportion of the atoms in the sample to be hit directly by an ion. The nuclear reactions thus created result in the production of an isotope<sup>1</sup> of the same element or one adjacent in the periodic table.

Isotopes of elements throughout the periodic table have been produced artificially by bombardment with eight mil-

\* Division of Dental Research, University of Rochester School of Medicine and Dentistry, Rochester, New York.

<sup>1</sup> Isotopes are forms of the same element differing in atomic mass but not in chemical behavior.

lion volt deuterons (ions of deuterium or heavy hydrogen) from the cyclotron.

The product elements of bombardment reactions were at first recognized chiefly for their value as information in the realm of nuclear physics when M. and Mme. Curie-Joliot (1934) made an extremely important discovery. The alchemically produced isotopes were found to be unstable, and hence radioactive. They decayed exponentially, each according to a definite time factor,<sup>2</sup> and in the process, emitted radiations similar to those ejected by natural radioactive elements. These radiations consisted of minute electrically charged particles<sup>3</sup> and, in some cases, electromagnetic waves not unlike the x-ray. Thus, their atoms were effectively tagged. The presence of most of the artificial isotopes is readily revealed by such instruments as the electroscope or the Geiger-Müller counter, a highly specialized device for the quantitative determination of radioactive material in prepared samples.

After the discovery of artificial radioactivity, the cyclotron, became, overnight, as important in the fields of chemistry, biology, and medicine, as it had been in physics.

The application of radioactive elements in biologic studies is founded on the postulate that stable and radioactive isotopes differ only in those properties except when the radiations themselves may pro-

duce chemical or physiological tissue reactions. Advantages accruing to their employment are important. The radioactive element may be traced. It may easily be distinguished from the stable element in the tissues. It is required only in minute quantities for biological investigation and does not interfere with normal metabolism. It obviates tedious purification processes associated with the direct chemical approach. Limitations to its use may be imposed by its half-life and the intensity of its radiation.

The radioactive isotope of phosphorus,  $P^{32}$ , is blessed with an advantageous half-life (table 1), strong radiations, and relative ease of production. Further, the element has vital importance in living tissues, especially dental. It represents about 17 and 12.5 per cent of the dry weights of enamel and dentin respectively. It is not surprising, then, that  $P^{32}$  has achieved the distinction of being the most important of the artificial isotopes, not alone in the dental, but in every biological field.

In dentistry, the disintegrating nucleus has been a tool for investigations into the metabolism and the method of formation of dental and osseous tissues, and into certain factors concerning tooth decay.

The first of these was accomplished by Chievitz and Hevesy, Scandinavian scientists, in 1937. By adding  $P^{32}$  to the diets of rats, sacrificing the animals, and then analyzing various tissue samples for radioactive material, they discovered that, almost at once, appreciable parts of the radio-element found their way into the tissues of growing and adult animals. An exchange phenomenon in which phosphorus atoms of the bones and teeth were displaced by administered  $P^{32}$  atoms was demonstrated. Based on the normal phosphorus content: certain bones took up about four times as much  $P^{32}$  as did the

<sup>2</sup> Time as a factor in the decay of a radioactive substance is generally expressed as the "half-life," e.g., the time it takes for one-half of a given number of atoms of the substance to disintegrate and be transformed into a new, but stable element.

<sup>3</sup> Radioactive substances are characterized by spontaneous atomic disintegration resulting in the emission of nuclear "particles" having definite electrical charge and mass. Such particles do not obey the classical laws of mechanics governing ordinary chunks of matter and should not be confused with them.

molars, and the growing incisors absorbed two and one-half times as much. When the animal was allowed to live long enough, it was found that radio-phosphorus deposited in the tissues was exchanged for phosphorus from the diet. This exchange was extremely slow in the teeth. Greatest activity in those organs was noted in close proximity to the pulp.

Administration of  $P^{32}$  to a sixteen year old human subject revealed that one tooth took up 1/300,000 of the dose. To replace one per cent of the total phosphorus of a tooth by exchange would require 250 days.

It has been shown that inorganic phosphorus is removed from the blood rapidly. This effect is attributed to the affinity of the apatite structure of bone and teeth for that element. In a rat, only two per cent of an injected dose remained in the plasma after two hours. At that time, 92 per cent was detected in the calcified tissues.

Growing teeth have exhibited high  $P^{32}$  retentions as compared with fully erupted and non-developing organs. This finding would indicate that phosphorus was incorporated into the calcifying tissue and protected from exchange by further calcification.

Hodge, at the University of Rochester, fed a dog sodium radiophosphate and found that the uptake of  $P^{32}$  in spongy bone was greater than in dense bone, and in dentin, about the same as in dense bone. The enamel picked up only traces of the element. In vitro experiments conducted in several laboratories have shown that the mineral phase of calcified tissues *adsorbs* inorganic phosphate from solutions. Phosphate ions probably do not enter chemical combination with bone and tooth apatites, but are attracted to the surface of the minute crystallites by some force not well understood. This evidence is important for several reasons. Of consequence are its abilities to explain

partly the phenomenon of calcification; and to provide a basis for the exchange of inorganic phosphate witnessed in earlier experiments.

Repeated observations that enamel was capable of picking up only minute quantities of  $P^{32}$ , both in vitro and in vivo, were explained by the phenomenon of adsorption. Because of a slow diffusion of fluids in that tissue, extremely small surface areas of its crystallites would be exposed to the radio-element in a given time. Hence, it could adsorb only small amounts of the isotope.

Using a radioactive isotope of fluorine (table 1) Volker and Hodge recently discovered that fluorides in solution were adsorbed to the surfaces of hard tissue crystallites in much the same manner as phosphates. From the standpoint of caries prevention, this finding is significant. It means that topical applications of fluoride solutions would likely result in adsorption of fluorine to the surface enamel, rendering it less susceptible to incipient caries. Some effort has already been expended to test this axiom clinically, with encouraging results.

Enamel has been redeemed from its stigma of being considered a lifeless, inert, mostly inorganic substance. At the University of Rochester, the enamels of cats, dogs and monkeys were studied carefully in a series of in vivo and in vitro experiments. It was discovered not that the enamel had a definite metabolism, but that the outer layer exchanged  $P^{32}$  much more rapidly than the underlying tissue. The saliva was established as being responsible. Little of the isotope entered the surface via the dentin.

Evidence has been secured that indicated reduction of phosphorus metabolism in dental tissues with age. It is also reduced in teeth undergoing root resorption. unerupted permanent teeth in

TABLE 1

RADIOACTIVE ISOTOPES PRODUCED BY ATOMIC BOMBARDMENT WITH IONS FROM THE CYCLOTRON  
AND USED AS TOOLS IN DENTAL INVESTIGATIONS

RADIO-ELEMENT	SYMBOL	HALF-LIFE	BOMBARDING ION	TARGET ELEMENT
Fluorine	F <sup>18</sup>	112 minutes	Hydrogen	Oxygen
Sodium	Na <sup>24</sup>	14.8 hours	Deuterium	Sodium
Phosphorus	P <sup>32</sup>	14.3 days	Deuterium	Phosphorus
Calcium	Ca <sup>45</sup>	180 days	Deuterium	Calcium
Strontium	Sr <sup>89</sup>	55 days	Deuterium	Strontium

young animals have greatly accelerated phosphorus metabolism.

The use of radioactive phosphorus led to other conclusions. Vitamin D seems to exert a more specific effect on calcification than mere increased absorption of phosphorus from the gut. When on an adequate diet, a rat mother exhibits no appreciable exchange between her skeleton and her offspring.

Radioactive isotopes of all the elements shown in the table have been employed in

investigations of interest to the dental profession. However, much of this work is of a preliminary nature, and awaits the future to reveal its real significance.

#### SUMMARY

The usefulness of artificial radioactive isotopes as tools in dental investigation is established. There is reason to believe that much vital information is yet obtainable through further application of these products of the physics laboratory.



## DENTAL LYMPH CIRCULATION OF THE HARD DENTAL TISSUES

H. S. LEVY, '43

**B**EFORE discussing the fluids of the hard dental tissues there is a problem of definition which should be clarified. It concerns the necessity for clearly defined concepts of the terms *dental lymph* and *lymph*. Dental lymph is that tissue fluid which is associated with the hard dental tissues, or structures, and it is continuous with the fluids of the soft dental tissues. The use of the term lymph should be limited to the contents, both fluid and cellular, which are contained in the endothelial-lined lymphatic channels. In this resumé the use of the term dental lymph will be restricted in usage according to these definitions.

The experiments of Fish (1936), Dewey and Noyes (1917-1919), and others showed that a stream of dental lymph is present in the dentinal tubules during life, and that it occupies a space between the Tomes process of the odontoblast and the wall of the dentinal tubules. They state that this stream is of sufficient volume to carry with it particles of finely divided matter, and they found that India ink, when introduced into the pulp, would penetrate the pulpal third of the dentin. They concluded that an actual stream of dental lymph is present in the tubules which was responsible for the penetration, and having demonstrated the presence of this stream, they felt justified in tracing its ramifications by the use of methylene blue, which is a dye. These experiments showed that the diffusion of the dye extended into the marginal lymph plexus of the dentin and through the cementum into the tissue fluids of the peridental membrane.

Other observations by Fish (1926-

1927) made on ground sections of anterior teeth in which pulpal hemorrhage had occurred, showed that the hemoglobin could be traced through the dentinal tubules into the marginal plexus of the dentin and even into the enamel. The rods, or prisms, and the interprismatic substance of the enamel showed no evidence of penetration, but the prism sheath, of organic composition, permitted a transmission of dental lymph and the contained hemoglobin. Fish concludes that the enamel contains a dental lymph supply which is derived from the pulp.

Bunting and Rickert (1918) present an explanation for the circulation of the dental lymph in the dental hard tissues. Their studies concerning the calcified dental tissues as a semipermeable membrane convinced them that an osmotic passage of fluids and their contained salts, occurs between the tissue fluids of the pulp and the saliva.

Bodecker (1924-26, 1930), Applebaum (1931) and Benst (1924) concur in the belief that the dental hard tissues are permeable, but they believe further that the permeability is variable. They state that both the dentin and the enamel show a decreased permeability with advancing age. This reduction is produced by an increase in the inorganic content and a concurrent decrease in the organic content of these dental hard tissues. Evidence which substantiates this view is seen in the rampant caries of youth, as compared with the slow caries of an older individual. The rampant caries of youth, so often seen clinically, can be explained on the basis of the high permeability of young teeth.

Bodecker (1932), Fish (1930-1931) and Kronfeld demonstrate sections of teeth with slow dental caries, in which zones of hyper-calcified dentin have been formed pulpally to the point of penetration of the caries. This hypercalcification serves to reduce the permeability of the dentin. Similar zones of hypercalcification are observed in the dentin after

operative procedures, abrasion and erosion.

## SUMMARY

A dental lymph circulation is present in the hard tissues of the teeth, the volume of which may be modified by age, operative procedures and dental pathologies.

## PROCEEDINGS OF THE DENTAL CENTENARY CELEBRATION

There are still available several copies of this unique and interesting book. Purchase may be made through the offices of the Maryland State Dental Association, Suite 19, Medical Arts Building, Baltimore, Maryland. (Price \$5.00.)

## WANTED: INSTRUMENT CASES

If you were graduated after 1930 and still have in your possession the wood or steel instrument case you used for your clinical operative instruments, and wish to sell this case, please fill in the form below and send at once to the Dental School.

I have an instrument case in fair  
good condition.  
excellent

It is of <sup>wood</sup><sub>steel</sub> construction. I will sell it for \$.....

(Signature)

(Year of Graduation)

(Address)

## THE CLARENCE J. GRIEVES LIBRARY FOUNDATION

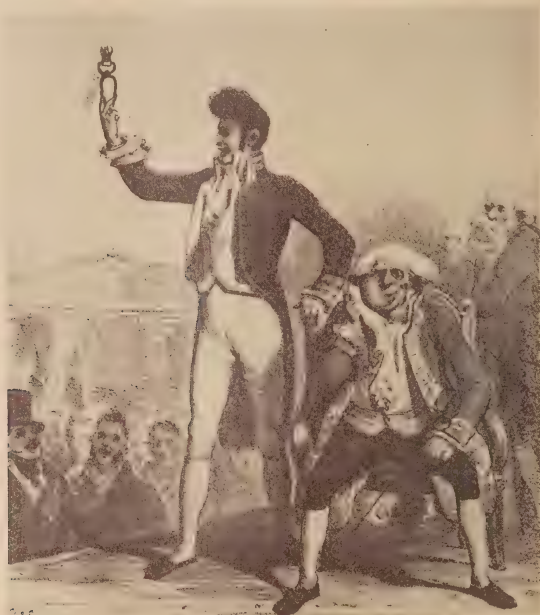
### WHAT'S NEW IN THE LIBRARY

#### A SELECTION

Anthony, L. P., editor. The American text-book of prosthetic dentistry. 7th ed. 1942. This authoritative and practical text has

A comprehensive presentation of the surgical problems resulting from war injuries. Section IX of volume two deals with wounds of the face and neck.

Blair, V. P. and others. Cancer of the face and mouth. 1942.



L'ARRACHEUR—POUR LA PREMIÈRE  
COMMENT LA TROUVEZ-VOUS!  
LES SPECTATEURS—BRAVO!  
COURAGE! CONTINUEZ

The original colored lithograph signed by Raffet, from which this copy was made, was recently acquired by the Library. This is a political cartoon of about 1835 representing the French king whose tooth, labelled "Hérédité", has just been extracted by the dentist.

been completely rewritten and several new chapters added in this edition to incorporate the many changes in prosthetic dental practice made in the past few years.

A compendium of information on the diagnosis and treatment of this disease and the repair of resulting facial defects. The illustrations are especially valuable.

Bailey, Hamilton, editor. Surgery of modern warfare. 1941. 2v.

Comroe, B. I. Arthritis and allied conditions. 2d ed. 1941.

This text is of interest to the dentist because of the discussion of the teeth as foci of infection in rheumatoid arthritis.

James, W. W. Injuries of the jaws and face with special reference to war casualties. 1940.

A work of timely importance to the oral surgeon based upon the author's treatments of casualties during the first World War and during civilian practice since then.

McBride, W. C. Juvenile dentistry. 3d ed. 1941.

A new edition of this ever useful text on juvenile dentistry. Of especial value are the chapters on the anatomy of deciduous teeth and on preventive orthodontics.

Macintosh, R. R. Essentials of general anaesthesia with special reference to dentistry. 1940.

This important work by a leading English professor of dental anaesthesia covers the field of general anaesthesia adequately, including the general theories, the choice of an anaesthetic, its administration and the care of the patient. The book is beautifully illustrated.

Prinz, Hermann. Pharmacology and dental therapeutics. 8th edition, thoroughly revised by Edward C. Dobbs, D.D.S. 1941.

A revision of the popular "Dental materia medica and therapeutics" with a new title to indicate the shift of emphasis from drug mate-

rial to drug action. This excellent revision was prepared by Dr. Dobbs of our faculty.

Schwartz, J. R. Modern methods of tooth replacement. 1942.

A valuable and well illustrated book in the field of restorative dentistry. This title completes the author's trilogy of which the first two were "Practical dental anatomy and tooth carving" and "Cavity preparation and abutment construction in bridgework."

Sears, V. H. Basic principles in dentistry. 1942.

This unpretentious but important work by the originator of the non-anatomic school of thought, deals with the fundamental principles upon which scientific dentistry is based. Especially valuable chapters are those on the principles of physics, mechanical considerations, and art and aesthetics.

Spencer, P. G. Prevention of malocclusion. 1941.

A contribution to the understanding by the general practitioner of present day orthodontics with stimulating discussions of his possibilities in the prevention of certain types of malocclusion.

Winter, Leo. Operative oral surgery. 1941.

The exceptionally clear illustrations in this volume are excellent aids to understanding the step by step technique of the operations described by this well-known dental author.

## TUSHMAKER'S TOOTHPULLER

GEORGE H. DERBY (1824-1861)

**D**R. TUSHMAKER was never regularly bred as a physician or surgeon, but he possessed naturally a strong mechanical genius and a fine appetite; and finding his teeth of great service in the latter propensity, he concluded that he could do more good in the world, and create more real happiness therein, by putting the teeth of its inhabitants in good order, than in any

other way; so Tushmaker became a dentist. He was the man that first invented the method of placing small cog-wheels in the back teeth for the more perfect mastication of food, and he claimed to be the original discoverer of that method of filling cavities with a kind of putty, which, becoming hard directly, causes the tooth to ache so grievously that it has to be pulled, thereby giving the



dentist two successive fees for the same job. Tushmaker was one day seated in his office, in the city of Boston, Massachusetts, when a stout old fellow, named Byles, presented himself to have a back tooth drawn. The dentist seated his patient in the chair of torture, and, opening his mouth, discovered there an enormous tooth, on the right hand side, about as large, as he afterwards expressed it, "as a small Polyglot Bible." I shall have trouble with this tooth, thought Tushmaker, but he clapped on his heaviest forceps, and pulled. It didn't come. Then he tried the turn-screw, exerting his utmost strength, but the tooth wouldn't stir. "Go away from here," said Tushmaker to Byles, "and return in a week, and I'll draw that tooth for you, or know the reason why." Byles got up, clapped a handkerchief to his jaw, and put forth. Then the dentist went to work, and in three days he invented an instrument which he was confident would pull anything. It was a combination of the lever, pulley, wheel and axle, inclined plane, wedge and screw. The castings were made, and the machine put up in the office, over an iron chair rendered perfectly stationary by iron rods going down into the foundations of the granite building. In a week old Byles returned; he was clamped into the iron chair, the forceps connected with the machine attached firmly to the tooth, and Tushmaker, stationing himself in the rear, took hold of a lever four feet in length. He turned it slightly. Old Byles gave a groan and lifted his right leg. Another turn; another groan, and up went the leg again. "What do you raise your leg for?" asked the doctor. "I can't help it," said the patient. "Well," rejoined Tushmaker, "that tooth is bound to come out now."

He turned the lever clear round with a

sudden jerk, and snapped old Byles's head clean and clear from its shoulders, leaving a space of four inches between the severed parts! They had a *post-mortem* examination—the roots of the tooth were found extending down the right side, through the right leg, and turning up in two prongs under the sole of the right foot! "No wonder," said Tushmaker, "he raised his right leg." The jury thought so too, but they found the roots much decayed; and five surgeons swearing that mortification would have ensued in a few months, Tushmaker was cleared on a verdict of "justifiable homicide." He was a little shy of that instrument for some time afterward; but one day an old lady, feeble and flaccid, came in to have a tooth drawn, and thinking it would come out very easy, Tushmaker concluded, just by way of variety, to try the machine. He did so, and at the first turn drew the old lady's skeleton completely and entirely from her body, leaving her a mass of quivering jelly in her chair! Tushmaker took her home in a pillowcase. She lived seven years after that, and they called her the "India-Rubber Woman." She had suffered terribly with the rheumatism, but after this occurrence, never had a pain in her bones. The dentist kept them in a glass case. After this, the machine was sold to the contractor of the Boston Custom-house, and it was found that a child of three years of age could, by a single turn of the screw, raise a stone weighing twenty-three tons. Smaller ones were made on the same principle, and sold to the keepers of hotels and restaurants. They were used for boning turkeys. There is no moral to this story whatever, and it is possible that the circumstances may have become slightly exaggerated. Of course, there can be no doubt of the truth of the main incidents.



Capt. Douglas A. Browning '34, Lieut. John W. Cronin '36, Capt. B. Wallace Inman '36, Lieut. Carl E. Bailey '38  
Major Samuel H. Bryant '32, Major Brice M. Dorsey '27

These alumni are members of the University Hospital units recently inducted into the service. At present the University contingents are in training at camps located in Michigan and Kansas.

## ALUMNI NEWS

### ALUMNI CLUBS

THE Membership Committee of the National Alumni Association faces a very difficult task in trying to stimulate interest and increase membership in the Association. Our Alumni are so widely scattered that it has been the policy of the Alumni organization to sponsor reunions on a five-year basis. The meetings of the various reunion classes at Commencement bring out an impressive percentage of the grads. Although the present arrangement has been satisfactory, the Alumni can do a great deal to improve their group activities if they would follow the suggestions which the Membership Committee desires to present for their consideration.

Do not wait until each June or each fifth June rolls around to meet with your classmates and other fellow Alumni. What we have in mind is the formation of local and state Alumni Clubs. In the large communities, where our Alumni are strong in number, dental meetings are held on an average of once a month. Alumni Club dinners could easily be arranged to precede those meetings. On such pleasant occasions you could renew old and establish new Alumni friendships. Our men in the smaller cities and in the towns would have the opportunity of attending Alumni functions held in connection with the State meetings.

To be successful all this project needs is effective leadership. The Committee has gone through the files, according to states, with the purpose of choosing several key men in each state. These are the men we expect to set the project in motion. But we want to be able to assure these fellows, who are in for some hard but pleasant work, that you other fellows will be with them in setting up

and getting the Alumni Clubs into substantial being. Therefore the Committee places the suggestion of these Clubs, as components of the National Alumni Association, before all of you. What are your opinions? We want to be able to make a report on excellent progress when we get together at the Boston meeting of the American Dental Association.

Membership Committee,  
National Alumni Association  
*Chairman*, PAUL A. DEEMS  
MEYER EGGNATZ  
KYRLE PREIS

### FACULTY NOTES

The following promotions have been made in the faculty of the School: Doctor Edward C. Dobbs, from Assistant Professor to Associate Professor of Pharmacology; Doctor William E. Hahn, from Assistant Professor to Associate Professor of Anatomy; Doctor Marion W. McCrea, from Assistant Professor to Associate Professor of Histology and Embryology; Doctor Karl F. Grempler, from Instructor to Assistant Professor of Operative Dentistry; Doctor B. A. Dabrowski, from Fellow to Instructor of Clinical Oral Roentgenology; Doctor John H. Wooden, from Fellow to Instructor of Clinical Operative Dentistry.

New appointments are: Doctor J. C. Biddix, Jr., Instructor of Oral Diagnosis; Doctor G. C. Blevins, Jr., Instructor of Clinical Operative Dentistry; Doctor E. G. Boettiger, Instructor of Physiology; Doctor Sidney Liberman, Instructor of Clinical Operative Dentistry; Doctor E. L. Pessagno, Instructor of Dental Technics; Doctor J. E. P. Toman, Instructor of Physiology.

Mr. J. Victor Monke, former Instructor of Physiology, and Doctor D. Robert

Swinehart, former Instructor of Clinical Orthodontics, have been called to active service with the Army. Doctor A. A. Sussman, former Assistant Professor of Anatomy, has been called to active service with the Navy.

The School has opened a student health clinic for the student body. This clinic is under the direction of Doctor W. Kennedy Waller, who is the Instructor of Physical Diagnosis and Principles of Medicine.

The Dental Section of the 42nd General Hospital of the United States Army is under the command of Major Brice M. Dorsey. The other members of this unit are Captains Samuel S. Bryant, Wallace Inman, and Lieutenants Carl E. Bailey, Douglas A. Browning, John W. Cronin, Edward P. McDaniel, Jr. All of these men are now affiliated with the School.

#### OMICRON KAPPA UPSILON

The annual business meeting of Phi Chapter was held in the Library of the School on March 4. The regular routine business was conducted, including election of officers for the ensuing year.

The annual banquet and convocation will be held at the Lord Baltimore Hotel on Wednesday, May 27, at 7 p.m. All members are cordially invited to attend.

President: William E. Hahn.

Vice-president: Harry B. McCarthy.

Secretary-Treasurer: Marion W. McCrea.

#### SIGMA XI SOCIETY

The Sigma Xi Society, Maryland Chapter, held its annual initiation banquet at the University Dining Hall at College Park on Wednesday, January 14. No members from the Dental School were taken in this year. The dental members attending were Dr. M. W. McCrea, Dr. M. S. Aisenberg, Dr. Edward C. Dobbs. The speaker for the

evening was Dr. F. Y. Wiselogle, who spoke on "The Explosive Industry in 1917 and 1941."

The joint meeting of the Society of Sigma Xi and the University of Maryland Biological Society will be held sometime in May; the guest speaker will be announced later.

#### XI PSI PHI ALUMNI

The members of the Alumni Chapter have had a very successful winter program. At the first fall meeting the following members were elected to office:

President: Dr. Henry Youngs.

Secretary-Treasurer: Dr. Filbert L. Moore.

The meetings are held at the Zip House at 1829 Bolton Street on the third Tuesday of each month. An outside speaker is presented and refreshments are served later in the evening. The turnouts have been good. All Zip alumni are invited to meet with us. Call Dr. Moore and he will be glad to forward to you a program of the next meeting.

The next meeting will be a joint gathering of the ladies' and men's groups. A pleasant time is assured—all Zip alumni are invited.

A Zip spring formal dinner dance is now in the making, with the final plans soon to be announced—don't miss it.

#### XI PSI PHI WOMEN'S CLUB

After a temporary lull in activity the Club promises plenty of "Zip" within the near future. On December 5 we held a bridge party at the home of Mrs. F. F. Smyth; Mrs. F. F. Smyth and Mrs. L. Smyth were the hostesses. It was a success socially and financially. We intend to have another card party at the fraternity house, 1829 Bolton Street, on April 11. We already have the full co-operation of the "boys."

At a recent joint meeting of representa-



tives from the active chapter, the Alumni and the Women's Club we definitely decided to have a dinner-dance sponsored by all three organizations at the Emerson Hotel on May 16. We are going to make it the very best party we have ever had.

We are planning to hold a joint business meeting with the Alumni at the home of Dr. and Mrs. F. F. Smyth, with refreshments and a good time to follow.

Beginning March 24, at the home of Mrs. Litz, we are meeting every month to contribute our share to the really serious and needy work at hand. We will do our bit of sewing and knitting for the Red Cross in addition to holding our regular business meetings.

President: Mrs. F. F. Smyth.

Vice-president: Mrs. C. M. Trettin.

Treasurer: Mrs. L. C. Smyth.

Recording Secretary: Mrs. W. L. Oggesen.

Corresponding Secretary: Mrs. H. J. Youngs.

#### ALPHA OMEGA ALUMNI

After an incomparable four-day convention held in New York over the New Year, at which our Dean, Dr. J. Ben Robinson, was awarded the Alpha Omega Achievement Medal for outstanding contributions to Dentistry, the members of the Alpha Omega Alumni have settled down to serious scientific and clinic activities. The group has had several speakers, among whom were Dr. Harold K. Addelston of New York on "Children's Dentistry"; Dr. Albert Fishbein of Newark, with a complete clinic on "Acrylic Materials"; and Mr. Abram C. Joseph, outstanding Baltimore attorney.

Chancellor: Jesse Trager.

Chancellor-Elect: Nathan Perry.

Quaestor: Leonard Hirshman.

Scribe: Morton Goldiner.

Macer: Lou Kayne.

Praetor: William Kress.

Editor: Phil Block.

#### SIGMA EPSILON DELTA ALUMNI

The Maryland Graduate Chapter inaugurated its policy of bringing to Baltimore outstanding Sigma Epsilon Delta men to lecture before the combined graduate and undergraduate chapters and invited guests, with an illustrated Oral Surgery discussion by Dr. Adolf Berger of New York. This very successful meeting, held on December 11, was well attended.

At another clinic meeting, on February 25, Dr. Henry E. Rostov delivered a lecture, accompanied by slides, on "Stationary Bridgework."

At the annual formal dinner dance, held jointly by the graduate and undergraduate chapters on March 7, the following four practicing dentists of Baltimore were inducted into the Maryland Graduate Chapter: Dr. Myron Sachs, Dr. Garrison Troupp, Dr. Paul Gilden, and Dr. William Ehrlich.

On March 25 we had as our guest speaker Mr. Harry Adelberg, who is a past president of the B'Nai Brith organization. He spoke on a topic most vital to us all, "Current Events and a Jewish Phase of Life in a Democracy Today."

At a recent meeting the following men were elected to office for the year 1942:

Master: Dr. A. Bernard Eskow.

Chaplain: Dr. Meyer Gotthelf.

Scribe: Dr. Samuel Friedman.

Treasurer: Dr. Irving Abramson.

Inner Guard: Dr. David Levin.

Outer Guard: Dr. Jerome Cullen.

Historian: Dr. Henry E. Rostov.

Delegate to Grand Council: Dr. Irving Abramson.

#### PSI OMEGA ALUMNI

Arrangements have been completed to celebrate the fiftieth anniversary of Psi Omega at its birthplace, the Baltimore College of Dental Surgery. The festivities will be held on April 11, 1942,

at the Merchants Club, 206 E. Redwood Street, Baltimore.

The Golden Commemoration is being sponsored by the Oriole Alumni Chapter. All members of Alpha, Phi, Pi and Phi-Alpha Chapters will be contacted and their attendance is hopefully anticipated. We are looking forward to honoring two of the surviving charter members: Luther Parsons and J. G. Schmötzer.

Grand Master Inman of Oriole Alumni Chapter requests all Psi Omegans to make plans for coming back to the Mother Chapter for this Celebration.

Master: C. L. Inman.

Junior Master: L. W. Bimestefer.

Treasurer: O. C. Joyce.

Secretary: T. G. Hartley.

Editor: F. J. Roh.

#### THE WOMEN OF PSI OMEGA

Surprisingly, the Women of Psi Omega have been as active as ever during this busy season. Despite the fact that almost all the members are actively engaged in Red Cross work and other war activities, they take time to be interested in Psi Omega.

In November, a bingo party was held at the fraternity house. This event was a lot of fun and also a success financially. Mrs. B. Wallace Inman was chairman. Mrs. Paul Deems was chairman of the annual Christmas Party, which was held for the boys before their Christmas vacation. A buffet supper was given to the boys and their girls by the Women of Psi Omega and their husbands. Supper was followed by carol singing and dancing. Besides the above functions there have been two afternoon card parties.

President: Mrs. J. Thomas Nelson.

Vice-president: Mrs. Thomas Hartley.

Secretary: Mrs. Dave Danforth.

Treasurer: Miss Katharine Toomey.

Members of the Board: Mrs. Elmer Corey, Mrs. Leonard Davis, Mrs. Conrad Inman, Mrs. Thomas Manakee.

#### THE UNIVERSITY OF MARYLAND BIOLOGICAL SOCIETY

The annual election of the University of Maryland Biological Society was held Thursday evening, November 18, at Gordon Wilson Memorial Hall, University Hospital. The following members were elected to office:

President: Dr. M. W. McCrea, Dental School.

Secretary: Dr. Robert H. Oster, Medical School.

Treasurer: Dr. Sylvan E. Foreman, Medical School.

Secretarial representative from College Park: Dr. Ronald Bamford.

The council members are: Dr. Thomas C. Grubb, Pharmacy School; Dr. Walter H. Hartung, Pharmacy School; Dr. Edward C. Dobbs, Dental School; Dr. C. Jelleff Carr, Medical School.

On January 20, Dr. M. W. McCrea presented a very interesting paper on the "Resurrectionists."

The program meetings are open to all.

#### INTERNATIONAL ASSOCIATION FOR DENTAL RESEARCH

The twentieth general meeting of the International Association for Dental Research was held in the Commodore Hotel, New York City, on March 14 and 15.

Two members of the Dental School faculty presented papers: Dr. M. S. Aisenberg on "Epithelium in Pulp," and Dr. H. B. McCauley, on "Uptake of Radio-phosphorus by Decalcified Tissues of Whole Teeth in Vitro—as Indicated by Radio-autograph." Dr. McCauley is on leave of absence from the Dental School on a Carnegie Fellowship in radiology at the University of Rochester School of Medicine and Dentistry.

The following were in New York for the meeting: Dr. J. Ben Robinson, Dr. Harry B. McCarthy, Dr. M. W. McCrea, Dr. Kenneth V. Randolph, Dr. Hugh T. Hicks, and Dr. Ernest B. Nuttall.

## CLASS OF 1941

- Robert N. Baker: Intern, U. S. Marine Hospital, Norfolk, Va.
- Sterrett P. Beaven: Intern, Johns Hopkins Hospital, Baltimore
- Daniel E. Berman: Intern, Sinai Hospital, Baltimore
- Robert L. Betts: Intern, Harrington Harbor, Labrador
- Benjamin Birshtein: Practicing at 2212 N. 4th Street, Philadelphia, Pa.
- Edmund L. Bohne: Assistant Resident in Dentistry, Jersey City Medical Center
- Edward Bressman: Intern, Beth Israel Hospital, Newark, N. J.
- Melvin R. Briskin: Intern, St. Joseph's Hospital, Baltimore
- A. Alfred Brotman: Army
- Joseph P. C. Burch: Intern, Mountain-side Hospital, Montclair, N. J.
- Gilbert Lee Caldwell: Practicing at 6100 York Road, Baltimore
- John S. Callaway: Practicing at 108½ Heber Street, Beckley, W. Va.
- Nicholas James Capone: Practicing at 1044 Rodman Way, Armistead Gardens, Baltimore
- Paul B. Castelle: First Lieutenant, Army Dental Corps, Fort Belvoir, Va.
- Abraham Chernow: Intern, Beth Moses Hospital, Brooklyn, N. Y.
- William M. Collins, Lieutenant (J.G.), U. S. Navy
- Donald C. Corbitt: Intern, Guggenheim Hospital, New York
- Jerome S. Cullen: Lieutenant (J.G.), U. S. Naval Training Station, Norfolk, Va.
- Joseph C. Dembo: Intern, Rochester Dental Dispensary, Rochester, N. Y.
- Frank L. DePasquale: Practicing in East Northport, N. Y.
- Morton DeScherer: Intern, Medical Center, Jersey City
- Paul S. Dubansky: Lieutenant, U. S. Army Dental Corps
- James F. Easton, Jr.: Practicing in Romney, W. Va.
- Daniel L. Farrell: Intern, St. Francis Hospital, Hartford, Conn.
- Donald T. Frey: Intern, U. S. Marine Hospital, Baltimore
- Michael Fulton: Intern, Polyclinic Hospital, New York
- Philip Gold: Intern, Morrisania Hospital, New York
- Maxwell S. Golden: Intern, Jersey City Medical Center
- Warren D. Haggerty, Jr.: Post-graduate study in Orthodontia at Columbia, also practicing at 70 Anderson St., Hackensack, N. J.
- V. Randolph Hawkins: Practicing in Union, S. C.
- Earl C. Hewitt: Intern, Marine Hospital, Norfolk, Va.
- N. William Hymanson: Practicing at 66 N. Main Street, Somerville, N. J.
- Bernard Kapiloff: Department of Pharmacology, Howard University School of Medicine, Washington, D. C.
- Leonard Kapiloff: Intern, Delaware Colony, Stockley, Del.
- Sidney Kellar: Intern, Manhattan State Hospital, New York
- Herbert E. Klingelhofer: Intern, Maryland General Hospital, Baltimore
- Leonard Koenig: Practicing at 1755 Ocean Parkway, Brooklyn, N. Y.
- Kenneth D. Kornreich: Practicing at 983 Main Street, Hartford, Conn.
- Ronald Lawrence: Intern, Episcopal Eye, Ear, Nose and Throat Hospital, Washington, D. C.
- Benjamin Levy: Practicing at 524 Bedford Avenue, Brooklyn, N. Y.
- Frank A. Marano: Intern, Jersey City Medical Center
- Anthony F. Matisi: Practicing at 1 Washington Avenue, Endicott, N. Y.
- J. Govane McClees: Intern, City Hospitals, Baltimore

Edward P. McDaniel, Jr.: Intern, University Hospital, Baltimore

Edward A. Mishkin: Intern, Jewish Memorial Hospital, New York

Abraham Ollman: Dental Staff, Lincoln Hospital, N. Y.

Malcolm M. Parker: Practicing at 16 West Main Street, Freehold, N. J.

Myron Policow: Practicing at 36 Main Street, Plymouth, Mass.

George Reusch: Intern, Bellevue Hospital, New York

Frederick B. Rudo: Practicing at 3240 Belair Road, Baltimore

John R. Santeramo: Practicing at 73 James Street, New York

LeRoy E. Schiller: Intern, Jersey City Medical Center

Carl H. Schultheis: Intern, Episcopal Eye, Ear, Nose and Throat Hospital, Washington, D. C.

Max Singer: Practicing at 2512 Main Street, Baltimore

Bernard Smith: U. S. Marine Hospital, Norfolk, Va.

Joseph H. Smith: Dental Clinician for Wicomico and Worcester Counties, Maryland State Department of Health.

Murray Storch: Intern, Crownsville State Hospital, Crownsville, Md.

Charles Taub: Intern, City Hospital, Newark, N. J.

John W. Toffic: Practicing at 21 E. Clinton Avenue, Hackensack, N. J.

Leonard J. Tolley: Practicing at 3725 Hanover Street, Brooklyn, Md.

Erminio R. Vitolo: Practicing at 8009 Bay Parkway, Brooklyn, N. Y.

Jack Irving Zeger: Intern, Jewish Sanatorium, Brooklyn, N. Y.

Raynard F. Zuskin: Intern, Guggenheim Dental Clinic, New York

No information received from the following: Aurbach, Chmar, Gudwin, Heller, Karow, Lauro, Rosenberg, Sloan, Spina, and Weinger. Harold Hyman reported no practice location or internship.

## PERSONALS

Dr. Carl Elliott Bailey '38 married Sara Kathryn Bowman on November 19, 1941.

Dr. Robert Lanning Betts '41 married Madeline Eunice Alwin on December 24, 1941 at Mutton Bay, Quebec.

Lt. William M. Collins '41 married Elizabeth Lewis Tyler on February 7, 1942.

Dr. and Mrs. Charles H. Fallon '39 announce the birth of a daughter, Cynthia Anne, on March 18.

Dr. and Mrs. Francis A. Sauer '35 announce the birth of a son, Francis A., Jr., on March 17.

Professor and Mrs. Gardner P. H. Foley announce the birth of a daughter, Colin Howard, on February 1.

Dr. and Mrs. Sidney Liberman '38 announce the birth of a son, Ronald Edward, on January 12.

Dr. and Mrs. Sidney R. Graffam '27 announce the birth of a daughter, Cynthia Sidney, on December 13.

## OBITUARY

Dr. Peter F. G. Coogan (B. C. D. S. 1915) of Baltimore, died December 4, 1941.

Dr. Franklin Scott Adams (B. C. D. S. 1899) of Waterville, Kansas, died June 16, 1941.

Dr. Horace M. Lever (B. C. D. S. 1898) of Baltimore, died December 27, 1941.

Dr. Arthur Corso (U. of Md. 1921) of Cambridge, Mass., died December 26, 1941.

Dr. George A. Patrick (B. C. D. S. 1882) of Augusta, Ga., died October 29, 1941.

Lt. Col. Ray R. Newman (U. of Md. 1913) of Camp Wallace, Texas, died December 18, 1941.

Dr. Bradford P. Simpson (B. C. D. S. 1898) of Malden, Mass., died March 26, 1941.



Dr. Louis H. Marshall (B. M. C. 1912) of Newton Highlands, Mass., died July 3, 1940.

Dr. Dennis J. Coyle (B. M. C. 1912) of Norwich, Conn., died January 28, 1942.

Dr. Galen Hain (B. C. D. S. 1898) of Harrisburg, Penn., died September 29, 1941.

Dr. R. Wilmer Sprinkel (U. of Md. 1903) of Staunton, Va., died in July, 1940.

Dr. Edgar P. Parsons (B. C. D. S. 1881) of Massie's Mills, Va., died February 16, 1941.

Dr. Clarence S. Gore (B. C. D. S. 1897) of Baltimore, died January 12, 1942.

Dr. Asa I. Harris (U. of Md. 1899) of Washington, D. C., died January 26, 1941.

Dr. W. E. Gammans (B. C. D. S. 1899) of Alameda, Cal., died November 10, 1941.

Dr. Edgar J. Applewhite (U. of Md. 1897) of Newport News, Va., died August 1, 1941.

Dr. Fred A. Twitchell (U. of Md. 1885) of Los Angeles, Cal., died January 17, 1942.

Dr. Carlton B. Mott (U. of Md. 1903) of Morganton, N. C., died in March, 1942.

Miss Frances Mullen died suddenly on January 11. Since 1927 Miss Mullen

had served the School as Information and Case Clerk. In that position she earned the loyal regard of hundreds of students who remember vividly her helpfulness, her efficiency and her sincerity.

Dr. Almond J. Cutting (U. of Md. '84) of Southington, Conn., died March 5. For twenty-six years Dr. Cutting was a member of the State Dental Commission and served as its recorder for thirteen years, until his retirement from office two years ago. He was a pioneer in recognizing the general value of a dental hygienist to the practitioner of dentistry. His only assistant was associated with him until the time of his death. Dr. Cutting was a member of the American Dental Association, the New England Dental Association, the Hartford, New Haven and Waterbury Dental Societies, the Horace Wells Club and Delta Sigma Delta fraternity. Although eighty-five years old, Dr. Cutting had engaged in active practice. He had served his profession and his community for fifty-seven years and was the oldest practicing dentist in Connecticut. Like most leaders in the profession, Dr. Cutting was a highly valued citizen, active in church and civic affairs.

## STUDENT ACTIVITIES

### FIRST PREDENTAL CLASS

THE fourteen students who compose the Class seem to be a talented lot of young men. The class has two students who take great pride in collecting paper clippings. "Twenty-yard" Kania, who is president of the class, has, perhaps, dulled the edge of his scissors cutting clippings about his home team. Also, there is Aaron Schwartz who cuts wise sayings and jokes out of the newspapers and is now hoping that his clippings will soon be numerous enough to compete with Kania's.

The Boy Scouts of America ought to be proud of two students in the class. Bob Clough, a Daniel Boone in his own right, exemplifies the traditions of the outdoor enthusiast. Bob has actually built himself a cabin, the cost of which was so trivial that it would be worthwhile for anyone who desires to construct a cabin to get in touch with Bob. Then there is "Tenderfoot" Bernard Morin, who loves the outdoor fire, the aroma of baked beans, and a quick plunge in a river—thirty degrees Fahrenheit—at three o'clock in the morning. Br-Br-Br! Morin should be especially mentioned, because he is the only student in the entire school who rides to and from school on a bicycle.

John Gerkin, of Ocean City, New Jersey, is an electrical enthusiast. John has a workshop at home where he gets a great deal of pleasure from tinkering with wires and gadgets.

"Eight-ball" Bookstaver and the Post Office department are collaborating very nicely. Those letters from the same person come like clockwork. Nerenberg, from Baltimore, claims to be a fancier of feminine pulchritude. His talk given in public speaking was a "Whizz-bang,"

although the report is that his talk on the same subject given last year was much better.

Corn, a young fellow from the Eastern Shore, collects stamps—and refuses to run for any class office.

The two Towlen boys in the class—Lloyd and Donald—are perhaps the most professional looking fellows in the entire class—just the sort of fellows who will make the type of dentist who stands in his doorway with a pair of forceps in one hand, and beckons to a frightened little child with the other.

### SECOND PREDENTAL CLASS

In February, the Predental students held a dance at Levering Hall, on the Johns Hopkins campus. Although not many of our illustrious class were present at this affair, those of us who did attend found not only the dance but also Harry "Bing" Dressel's melodious rendition of various popular songs very enjoyable.

Now that the feathered harbingers of spring have become rampant, all of us, of course, are making plans for next year. We have heard that Holmes Wilbur will study osteopathy and our homespun philosopher, Shapiro, will either "slap the Jap" in the air for Uncle Sam, or continue his academic courses at College Park as a premedical student. In June most of us will enter the Dental School. Then we shall become engulfed by the very interesting, but demanding, work necessitated by the circumstances characteristic of an accelerated professional course. We only hope that we can take it as fast as it is handed to us.

### FRESHMAN CLASS

As we near the completion of our freshman year, we find confronting us a situa-

tion which concerns not only us, but every American. As we know, there must be sacrifices made by all of us if we intend to win the war which our country is now fighting. These sacrifices will not be overlooked by dental students. There will be no more summer vacations, which we all look forward to so eagerly; for instead of having vacations we shall now continue our studies straight through the next twenty-four months in order that we may complete our full four-year course in three years. We realize that once we have graduated we shall be able to offer our services to our country in a professional field. We realize, too, that we, as freshman, have an opportunity to complete in only three years that which we had anticipated would require four. With all of these opportunities existing, we find ourselves in a position in which we shall be able to do more for our country, if we should be called to do so, and benefit ourselves besides.

#### SOPHOMORE CLASS

We are looking forward with thrilling anticipation to our entrance onto the clinic floor. We did not expect to get there till September, but because of the emergency program we shall begin in June. Our class dance was held at the Merchants Club downtown on March 28. We decided to give fifty cents each toward the Red Cross fund and fifty cents additional to buy two twenty-five dollar defense bonds as door prizes. Thus we helped Uncle Sam as well as those who won the prizes.

The idea of selling blood seems to have become very popular among the members of our class. The Juniors advise us to hold on to it because we'll be sweating it this summer in the clinic.

#### JUNIOR CLASS

It seems that everything happens to us. We are going to be the first class to

graduate under the accelerated schedule—wish they would install a cooling system in the clinic this summer. And how about the new nutrition course? We never thought we would see the day when we could sit seriously, and take notes on the proper method of cooking green vegetables.

Amazing how unpopular the single state is becoming. Cierler and Mass have taken the plunge, with Ted Greene poised on the brink.

The boys haven't been so playful this year. Can it be they are sobering at last or is it just the worries of the clinic? We are daily becoming more proficient clinical operators, and with our increased efficiency, the old bugaboo of 750 points doesn't seem so remote and impossible of attainment. That statement sounds like treason, doesn't it?

The Gaver Dental Seminar, conceived by our classmates, is making notable progress in its second year of existence and has proved a beneficial influence on our professional growth. Socially our year has been a real success. The Dental School Mixer, the Gorgas Initiation Dance and Banquet, and the Junior Class Dance were swell affairs; coupled with the various fraternity functions they have made veritable social butterflies of us.

Do you remember:

Scheinberg casting an acolite inlay without boiling out—they told him to cast it cold, didn't they?

How angry Wilkinson got when the JOURNAL correspondent reported his nuptials humorously?

Onesti's pallor when Dr. Waller discussed infections contracted while working in the mouth? That was quite a bandage Vinnie had on.

The day Ted Greene hit his new record of eight questions in a single lecture period? Baby (Hunchie) Snooks.

How terribly professional looking Jack O'Meara, Phil Nussbaum et al. were after

their first crack at anesthesia? Nothing to it, fellows!

Kraman acting as interpreter for the prosthetics department?

The big mess of fish Carey, Greene, Levy, and Carter caught on that fishing trip down the bay, and that little one that snagged itself on "Simp" Libby's line? How did they taste at the Psi O and Zip houses?

And the following week when all that "Buck" Levine caught was a three-match hotfoot?

Dr. McCrea pouring tea and passing cookies at the G. D. S. meetings?

### SENIOR CLASS

The class has now entered the home stretch and the day is not far away when we shall walk through the portals of B. C. D. S. as students for the last time. Our worries and laughs will go with us, but the memories will remain. The little every-day happenings written here will awaken our minds in the future when we talk about the "good old days."

Class-President Lou Toomey is still holding forth in those ever popular after-class meetings. Seniors are filling out all sorts of cards, for internships and for the army and navy. We don't have to file any income taxes, yet. Cohen amuses the class no end with his clownish antics and Nussbaum makes his weekly contacts concerning the New York State Board Examinations.

Irv Katz and Art Herschaft are now married. Dan Cupid has made rapid inroads on the class; for approximately 20% of us are married, and about 75% are engaged or about to be. Dynamic and determined Joe Coroso has shelved his ardor temporarily; Al Savage is still quite torrid about his Southern belle. "Heathcliff" Askins is still the man of mystery around town. Those two healthy West Virginians, Woody Corder and Jim Criss, make prosthetics seem

easy—at least they seem to be teaching Dr. Miller something, even if it isn't prosthetics.

Drs. Randolph, Wooden, and Grempler mark their black books continually and everyone does his best to complete the specimen fillings. The clinic is busy these days, and chairs are at a premium.

Crown and Bridge presents its usual problems and the tendency of our productions to miss the proper fittings is still present. Shades #7 and #16 are the most popular, and patients leave the clinic with gleaming smiles.

We are getting a comprehensive understanding of oral surgery, and the general feeling of the seniors is that we are getting a good deal more training than students of other schools.

Dr. Inman's gas clinics are interesting and informative, but, somehow, the "gas" seeps through to the operative clinic—and we poor seniors are still in the excitement stage with that worried, bloated look.

Since Dental History is a subject about which little is known, the Dean's lectures are very interesting. Each senior has been assigned a subject on dental history in which research work will be required. These historical reports should prove valuable to the literature of dental history.

Senior thesis requirements are keeping our evenings well occupied—clinics take care of our days and the draft board occupies our dreams.

### XI PSI PHI, ETA CHAPTER

During February the old lab was re-modeled, with new benches, stools, and lighting arrangements.

On February 11 the chapter entertained thirty-five guests at a "Monte Carlo Nite." This was something new and different in the line of entertainment and everyone enjoyed a pleasant evening.

On February 16 Eta Chapter pledged



the following men: Raymond E. Goddu '45, Holyoke, Mass.; Harry V. Borg '45, Takoma Park, Md.; and Charles W. Hennesey '45, Jersey City, N. J. Plans are being made for their formal initiation in April.

During the past two months eight of our men made application for the Naval Reserve.

The main social event of the year comes on May 16, our spring formal sponsored by the members of the Alumni chapter, the Women's Club and the active chapter.

President: H. Robert Gibson, Kingwood, W. Va.

Vice-president: Arthur J. Lepine, Jr., Holyoke, Mass.

Secretary: L. Simpson Libby, Jr., Milford, Maine.

Guard and Sentinel: Harry H. Camp, Jr., Spencer, W. Va.

Reverend Monitor: William C. Landy, Clifton, N. J.

Chief Herald: Harry Butler, Cumberland, Md.

Master of Ceremonies: Fred V. Beerbower, Kingwood, W. Va.

#### ALPHA OMEGA, ZETA MU CHAPTER

The 62 Fraters and 28 pledges are enjoying one of the best years in the fraternity's history. The house has undergone many improvements, with the addition of a radio-phonograph, a ping-pong table, and four new oil-paintings which decorate the walls of the front room.

The group has contributed a sizable sum toward the purchase of a fleet of mobile dental-units to be presented to the army. One such unit has already been given by Alpha Omega to the Royal Canadian Dental Corps.

On the evening of January 31, the fraternity held a dinner-dance at the Lord Baltimore Hotel, commemorating

the founding of the fraternity thirty-four years ago. Among those present were past Supreme Chancellor Myron Aisenberg, and present Supreme Chancellor Meyer Eggnatz.

At the elections held December 3, the following men were elected to office.

Chancellor: Joseph Klein, Bronx, N. Y.

Vice-Chancellor: Maurice C. Robinson, Newburgh, N. Y.

Scribe: Morton Hollander, Baltimore.

Quaestor: Bernard M. Capper, Brooklyn, N. Y.

Historian: Leon L. Horwitz, New York.

Macer: Gerald Rubin, Brooklyn, N. Y.

House Manager: Robert H. Bernert, Hartford, Conn.

Regent: Dr. Jesse Trager, Baltimore.

Praetor: Dr. William Kress, Baltimore.

#### PSI OMEGA, ALPHA CHAPTER

In the midst of echoes and recollections of a wonderful holiday season, the first regular meeting of the New Year brought out greater hopes for the Chapter. With an almost perfect attendance, the attention of all the members was directed to the coming rushing season. A committee was appointed to take care of the details, entertainment and refreshments for the Smoker. For entertainment Prof. Roland Reily, a hypnotist, exercised his powers on some of the members and freshmen. The cooperation received from the subjects made the evening of exceptional interest to the majority, as well as puzzling to others.

Another outstanding characteristic, which has been developed during this school year, is the social aspect of the Chapter's activities. Saturday night parties at the house, with refreshments and dancing, have afforded many of the members a break in the monotony of movies and . . . It seems that these social

events are well rooted now and will continue for the duration.

The date for the annual Spring Formal has been set for the second day of May.

Grand Master: F. J. Bryce, Florence, S. C.

Junior Grand Master: N. J. Santaniello, Norwalk, Conn.

Secretary: A. F. Yablonski, New Britain, Conn.

Treasurer: J. Czachorowski, Jersey City, N. J.

House Manager: A. B. Carey, Frankford, Del.

#### GORGAS ODONTOLOGICAL SOCIETY

At its regular monthly meeting on February 25, the Society was honored with an interesting and most enlightening address on "Office Management" by Dr. William Daniel Day. His intimate knowledge of his subject was surpassed only by his enthusiasm and sincerity; all of which made him a most popular and

welcome guest-speaker with Gorgas. Dr. Day's spirit of helpfulness and friendship to all our members is deeply appreciated. With the funds so generously donated by him, copies of Dale Carnegie's horrendous "How to Make Friends and How to Influence People" have been made available to all members.

After the meeting refreshments were served in the Students' Lounge.

The Society met in the Dental School on Wednesday night, March 18, when plans for the final banquet and dance were discussed. The Belvedere is the place and April 17 the date. Our good friend, Dr. William Daniel Day, again visited with the Society and continued his talk on "Office Management." All the members agreed that they really learned a great deal and expressed the hope that they would be able to put their knowledge into practice before long. For his encouragement and assistance the Society is deeply indebted to Dr. Day.



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*Purposes* of this journal are (1) To create a closer, harmonious relationship between the Alumni, the Faculty and the Students; (2) To keep members of the Alumni Association informed as to the progress of their organization; (3) To afford the means for publication of alumni writings; (4) To present to the Student Body an opportunity for instruction in the preparation and publication of writings; (5) To present reviews and abstracts of recent literature; (6) To present case reports of interest; (7) To familiarize the Alumni with the activities of the Clarence J. Grieves Library.

*Policies.* The Editor and publishers are not responsible for opinions expressed by authors of contributions appearing in this journal. The Editor reserves the right to reject any contributions which in his opinion are not of the standard desired. Articles must be contributed solely for publication in this journal. Permission to reprint in non-proprietary journals will be granted upon request.

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(2) Advertisements of products not under the jurisdiction of the said Council shall be acceptable only if they meet the requirements of (a) truth in statement, (b) reasonableness in claim and (c) dignity in presentation.

(3) Advertisements shall be confined to the Advertising section, to the inside and outside of back cover. In keeping with this provision, advertisements shall not be distributed on or among the pages devoted to professional affairs.

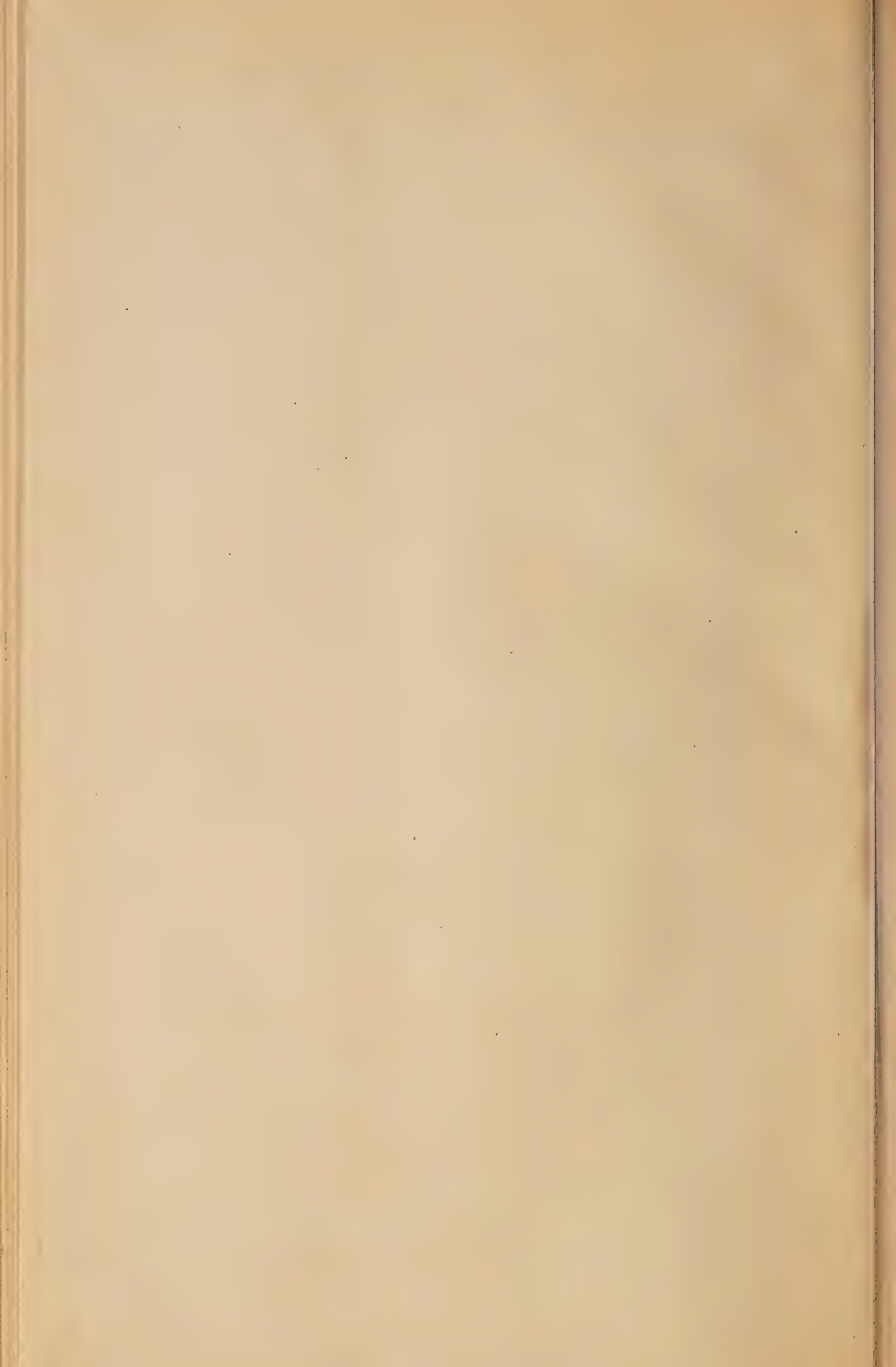
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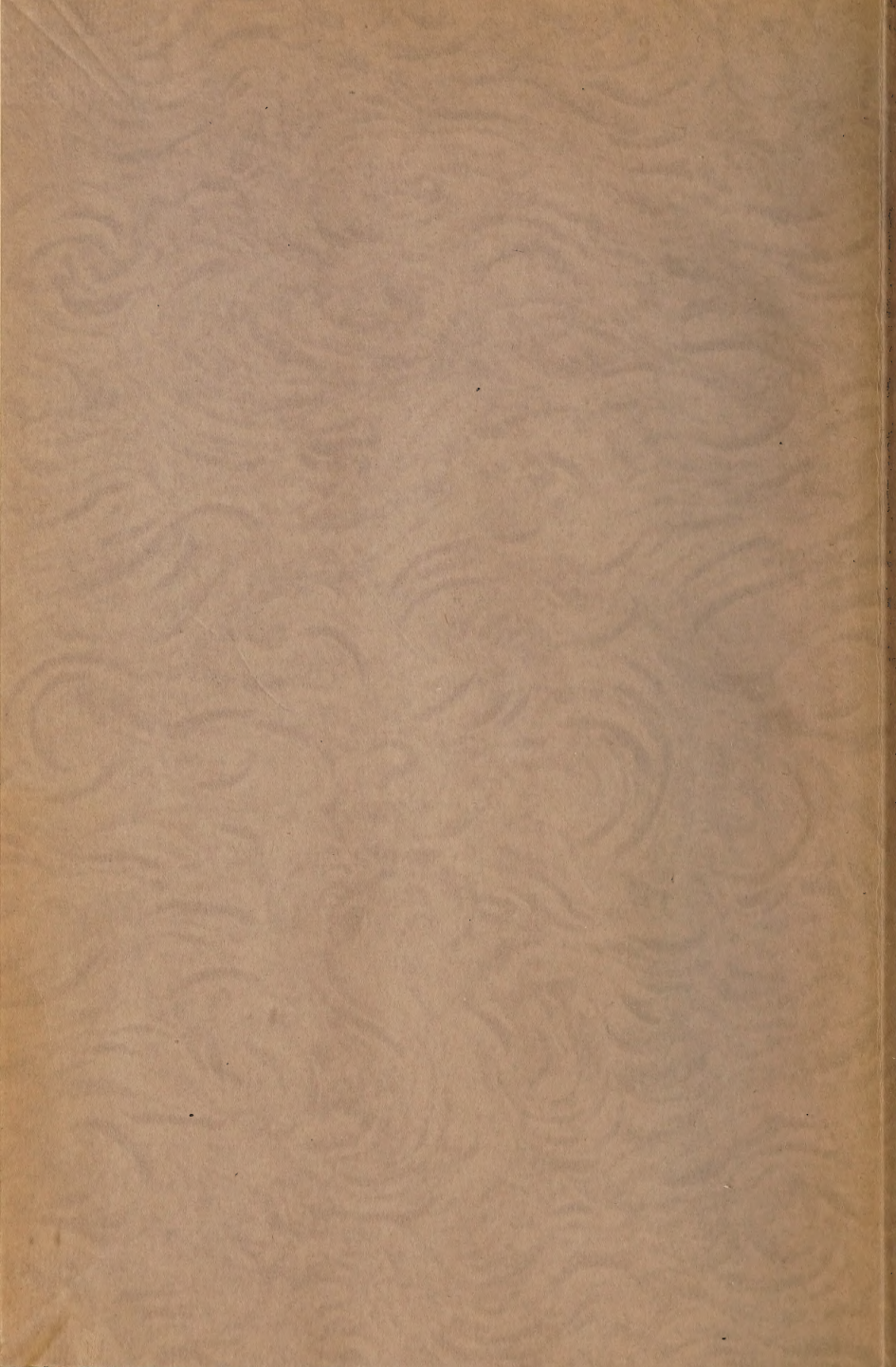












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